



An advance way of tracking your
vehicle.....

Presented by

“Chaukas”

Always Alert
.....the advance vehicle tracking device



Specifications of “Chaukas”

Model	Chaukas Iv1
Device Enclosure	IP 65
Operating Voltage	5 to 42 VDC
Origin	INDIA
Dimensions (L * B * H)	5x6x3 cms
Weight in grams	30 Grams without cable
Current Consumptions @12 VDC supply	In Stand by 30 mA in Peak 200mA (for 100 mSeconds.)
Electrical Protection	Tranzorbs and Fuse
Location Message Frequency	Minimum 10 Seconds Default 1 minute + Immediate events
Basic Wire Connections	
Inputs – Digital	1 Digital I/P
- Analog	1 Analog i/p
Outputs	1 Digital o/p
Geo-fence Management	1 Polygon with 5 points or circular
GPS	MTK Chipset
GSM	Quad Band, Class 12 GPRS 2G
GPS Receiver	MTK Chipset
GPS Sensitivity	Acquisition = -148dBm, Tracking = -165dBm,
GPS Channel	Acquisition 66 and Tracking 22
Accelerometers	Without Aid = 0.1m/s² (GPS Based)
Virtual Odometer	Built in
GPS LED	Yes (RED)
GPRS / Server / Data sent LED	Yes (BLUE)

GPS Receiver Specifications :

Position Accuracy	Autonomous = <2.5m CEP
Battery Backup	12 Hrs.
Data Logging	1000 packets
Remote Configurability	Yes
GSM Antenna	Embedded (Built in)
GPS Antenna	Embedded (Built in)
Auto re-set	Complete power control watchdog Self detected
Remote firmware up gradation	YES with HTTP or/and FTP
Cell site base geo location while vehicle is under basement or under roof parking	YES
Auto APN select based on SIM card	YES
Vehicle Battery Voltage	Detection Only
Internal Battery Voltage	Yes
Maximum internet bandwidth usage	With Raw TCP socket Maximum 8MB, with 1 minute data interval and Immediate Events
Data packet size	Maximum 150 bytes per packet

Alerts:

Ignition On /Off	YES
Over speed	YES
Device opening	YES
Vehicle battery power disconnection	YES
Stoppage	YES
Low battery alert	NO for external battery, Yes for Internal battery
Direction Change Alert	YES

Environmental:

Operating Temperature	-40 to + 70 degree Celsius
Storage Temperature	-40 to + 85 degree Celsius
Relative Humidity	Up to 70%



Extra features possibilities : (optional)

Temperature Sensing	Digital temperature sensing with no calibration required -40 to + 150 Degree Celsius
Door Sensing	Yes with GPI
Fuel Level Sensing	Yes with Analog (accuracy depending on vehicle internal float condition)
Air Conditioner Detection	Yes with GPI
Vehicle Immobilizer	Yes with GPO
Spy Call	Yes with additional cost (voice call activated SIM card required)
One way / two way communication	Yes with additional cost (voice call activated SIM card required)
Standby Mode	Yes



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Scout LC GPS Tracker

SLIM GPS TRACKER with 4 Wires and Low Cost

Scout-v2 VTS

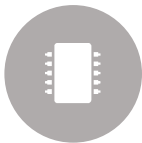
Slim GPS Tracker



2G GSM



GLONASS + GPS



Auto Firmware Update



Bluetooth Debugging



SSL Support



HTTP/HTTPS Support



On Field Remote Diagnostic



OTA Configuration



Offline Data Storage



Internal Accurate Odometer



Power Surge Protection



JSON Support for easy
cloud integration



SCOUT LC is one of the most advanced tracking system with slim formfactor and packed with performance. SCOUT LC is equipped with advanced GNSS technology which utilizes both GPS and GLONASS to provide maximum accuracy (position accuracy of <2.5m). It also has an accelerometer for motion detection and precise odometer calculation.

SCOUT LC has inbuilt GSM and GPS antenna which are precision designed for high gain, so no more long wires, and mounting issues. Basic features of SCOUT LC include digital output for Immobilizer, digital inputs for Ignition

SCOUT LC is the first device in Indian market which sends data to server securely using SSL and support JSON for easiest integration.

APPLICATIONS



Logistics, Food
Trucks, Cold
Chain, Cash
Vans



Vehicle
Tracking for
Personal Use



Taxi and Fleet
Management,
Tourist Vehicles

SPECIFICATIONS¹

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GSM SPECIFICATIONS

Quad-Band	850/900/1800/1900MHz
GPRS Multi-Slot Class	Class 12 (85.6 Kbps ↑↓)
GPRS Mobile Station	Class B
Output Power	2W @ 850/900MHz 1W @ 1800/1900MHz

GNSS (GPS/GLONASS/QZSS) FEATURES

GPS L1 Band Receiver	1575.42MHz Tracking: 33 (Channels) Acquisition: 99 (Channels)
GLONASS L1 Band Receiver	1601.71MHz
Position Accuracy	<2.5m
Velocity Accuracy	<0.1m/s
Acceleration Accuracy	<0.1m/s ²
TTIF	Cold Start: <35s Warm Start: <30s Hot Start: <1s
Sensitivity	Acquisition: -149dBm Tracking: -167dBm

HARDWARE FEATURES

Chipset	ARM9EJS @ 260MHz
Memory	4MB (ROM) / 4MB (RAM)
Bluetooth	3.0 (EDR)
LED Indicators	GPS (RED), Network GSM/Data Transfer (Blue)
Antenna	Built-in GSM and GPS
Battery²	150 mAh/3.7V Li-Po
Analog Vehicle main Battery Voltage	1 (0 to 100VDC)
Digital Input³ / Output	3 / 1

SOFTWARE FEATURES

Operating System	RTOS
Protocols	TCP, HTTP, HTTPS
Data Format	CSV, JSON (SiWi Protocol) Binary (Concox Compatible)
Data Security	Secure Sockets Layer (SSL), Header Based Authentication
Storage	2000 Data Packets
Configuration	SMS, TCP, WEB, BT Console
Alerts	GPS First Fix, Overspeed, Ignition, Power Transit Harsh Break/Acceleration, Immobilizer Status, GPS Status, Firmware Update
GPS Info Provided	Latitude, Longitude, GPS Fix, Speed, Satellites in View, Altitude, Direction, Odometer (software)
Firmware Update	Auto, Manual

ELECTRICAL SPECIFICATIONS

Operating Voltage	7 – 40V DC with surge Protection
Current Consumption @12V	60mA in Standby 98mA while Sending Data
Ignition Input Range	0 to 30 Volt DC
Immobilizer Relay	12v and 24 volt both Built-in Driver

¹ Product specification may change without prior notification

² Battery capacity can increase limited to enclosure formfactor and with additional cost

³ Extra input available with SIWI Protocol only

Operating Temperature	-20°C ~ 65°C
Operating Humidity	5% ~ 95%
Dimensions (mm)	85(L)*47(W)*17.5(H)
Weight	92g

Features :-

- Internal Accurate Odometer
- Default Vehicle battery Voltage
- GPS based Motion start and stop event
- GPS based harsh break and harsh acceleration (vehicle type wise programable)
- Square Geofence
- Overspeed alert
- Ignition detection
- Immobilizer o/p
- Bluetooth /SMS and server-based configuration of commands
- Auto FOTA
- Auto firmware switch from concox protocol to Siwi protocol and wise versa
- Main battery disconnection alert
- Analog Fuel Sensor Interface with sudden drop corrections

GPS positioning and GPRS real time location report to platform server Real-time tracking for car/truck/motorcycle Check location via SMS & Platform Built-in high sensitive GPS&GSM antenna ACC ignition detection Geo-fence External power disconnect alarm for anti-theft Engine stop and restore support AGPS assist positioning even in weak or none GPS area Inflexion point location supplement upload Internal memory support 2000 GPS data store and re-upload under none GSM area

ARAI Certified GPS Tracker Features

ACC detection for ignition status

Be aware of the ignition status whenever you need

Multiple alarms

Instant alert for overspeed, power off, geo-fence

Configure alerts for over-speeding

Send instant email/SMS to notify vehicle's speeding

Offline data

Offline data stored for 2 days at a frequency of 30 sec





GPS+AGPS+LBS positioning

Allow the location to be pinpointed accurately and rapidly

Configurable tracking modes

Location uploded following fixed distance, time interval.

Tracked by: SMS, APP, Web

Reports iocation in real time through different interfaces

Easy installation

Plug-and-track, easy to swap between vehicles

Functional & Package Specifications



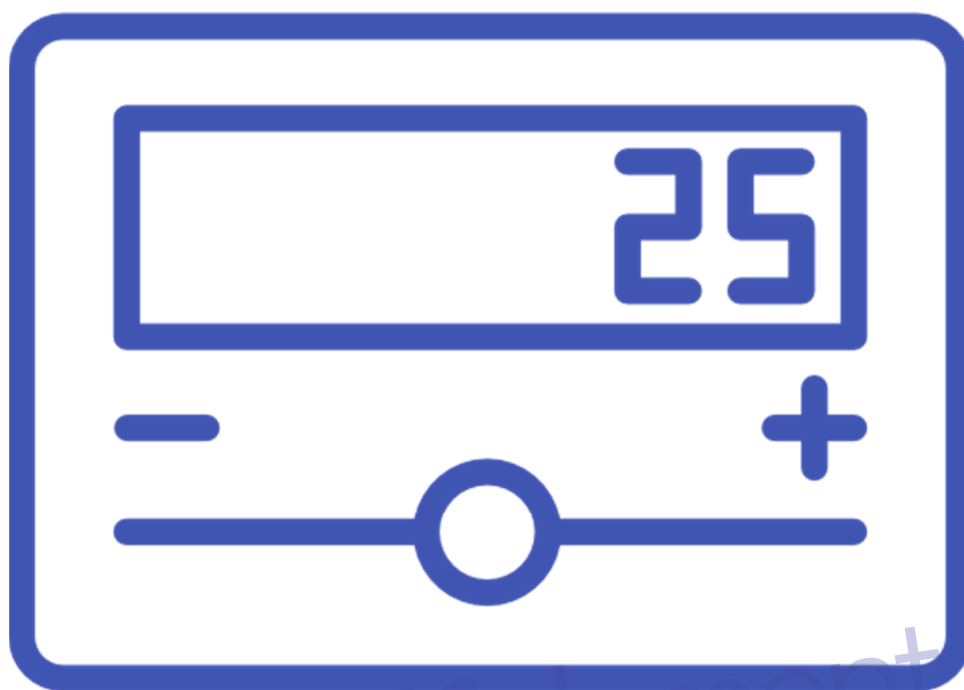
Power Supply

+8V to +40V



Tracking Mode

< 30mA / +12V



Operation Temperature

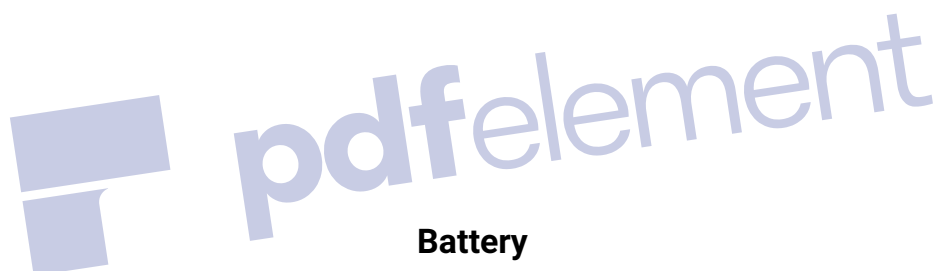
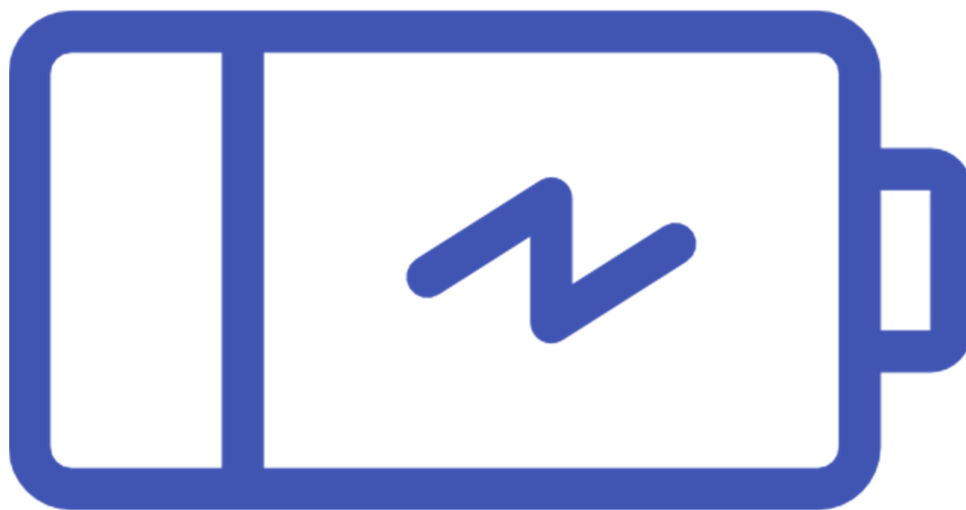
-15 °C - +65 °C



pdfelement

I/O

2 Digital Inputs & 1 Digital Output



Battery

500mA with 4 Hours Battery Backup



Warranty

12 months



Environment

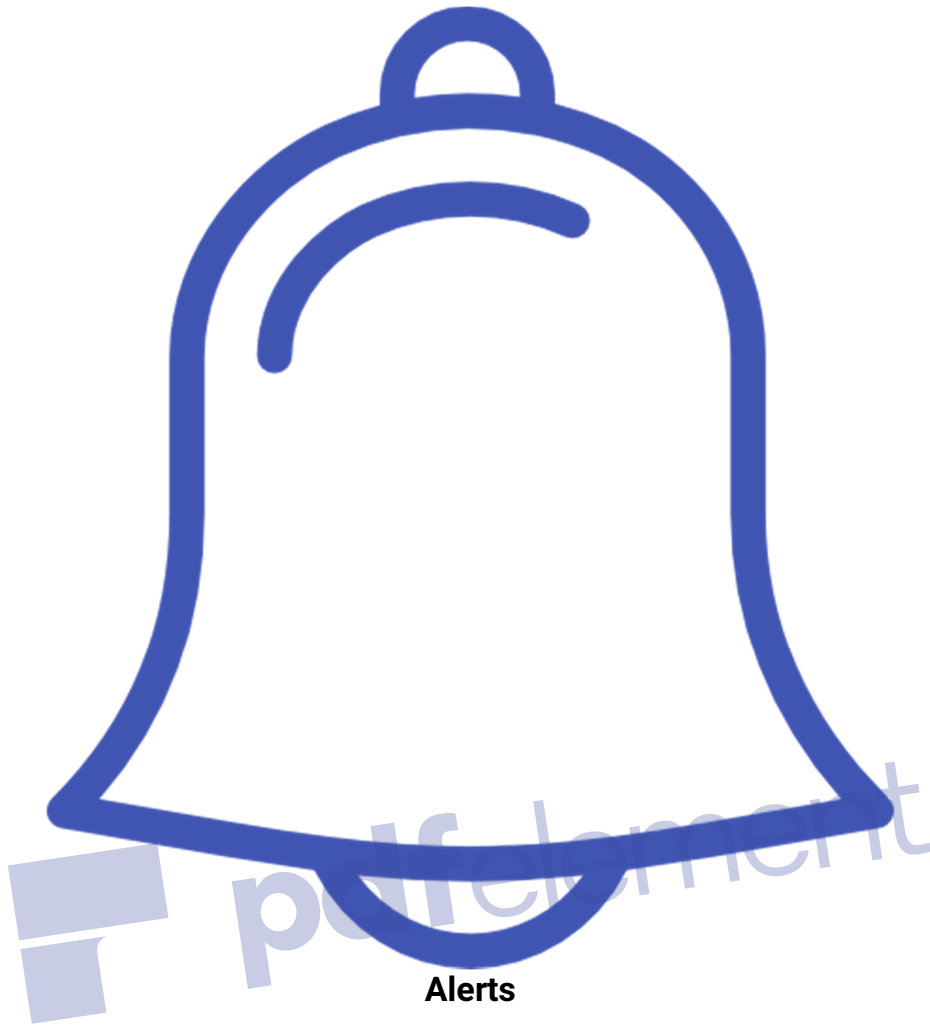
IP66, IP67, -10C to +65C, 95%RH at 40C



pdfElement

Offline Data

Upto 7days



Alerts

Power down, Speed

Who Needs AIS 140 GPS Tracker?



Busses

- State Transport Undertakings – Inter-city & Intra city
 - Private Bus Operators – Inter & Intra city



Taxies

- Car and Bus Taxi fleet owners or operators (incl. corporate fleets)
 - Rental taxis operators
 - Taxi hailing service providers
 - Self-driven car rental operators



Institutional

- Schools, Colleges and institutional (incl. corporate) bus operators



Scout VTS Series

ULTRA-SMALL GPS TRACKER

Scout VTS

Ultra-Small GPS Tracker



Quad-Band GSM



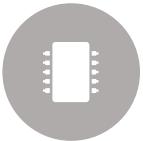
GLONASS + GPS



Bluetooth Debugging



Battery Backup



Auto Firmware Update



HTTP/HTTPS Support



SSL Secured



OTA Configuration



On Field Remote Diagnostic



Internal Odometer



Offline Data Storage



IP-65 Compliance



JSON Support for easy
cloud integration



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Scout has inbuilt GSM and GPS antenna which are precision designed for high gain, so no more long wires and mounting issues.

Basic features of scout include digital output for Immobilizer, analog input for sensors and digital inputs for Ignition and door sensors.

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Position Accuracy	<2.5m
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TTTF	Cold Start: <35s Warm Start: <30s Hot Start: <1s
Sensitivity	Acquisition: -149dBm Tracking: -167dBm Reacquisition: -161dBm

HARDWARE FEATURES

Chipset	ARM9EJS @ 260MHz
Memory	4MB (ROM) / 4MB (RAM)
Bluetooth¹	3.0 (EDR)
LED Indicators	GPS (RED), Network GSM/Data Transfer (Blue)
Antenna	Built-in GSM and GPS
Battery¹	500 mAh/3.7V Li-Po
Analog Input	1
Digital Input / Output	2 / 1
Operating Temperature	-20°C ~ 65°C
Operating Humidity	5% ~ 95%
Dimensions (mm)	40.0(L)*40.0(W)*25.0(H)
Weight	76g without battery 108g with battery

SOFTWARE FEATURES

Operating System	Multitasking RTOS
Protocols	TCP, HTTP, HTTPS
Data Format	CSV, JSON
Data Security	Secure Sockets Layer (SSL), Header Based Authentication
Storage¹	2000 Packets (1 Day approx. @1min interval)
Configuration	SMS, TCP, WEB, Bluetooth Console
Data Interval	15sec (min) Different configuration allowed for Ignition on and Off State.
Alerts	GPS First Fix, Overspeed, Ignition, Power Transit, Digital Input Change, Harsh Break/Acceleration, Immobilizer Status, GPS Status, Firmware Update
GPS Info Provided	Latitude, Longitude, GPS Fix, Speed, Satellites in View, Altitude, Direction, Odometer ¹ (software)
Firmware Update	Auto, Manual

ELECTRICAL SPECIFICATIONS

Operating Voltage	7 – 45V DC
Current Consumption @12V	60mA in Standby 98mA while Sending Data
Digital Input Range	0 to 28 Volt DC
Analog Input Range	0 to 28 Volt DC
Immobilizer Relay	12v and 24 volt both (External Driver required)



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Scout VTS Series

ULTRA-SMALL GPS TRACKER

Scout VTS

Ultra-Small GPS Tracker



Quad-Band GSM



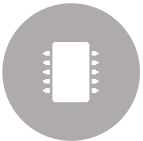
GLONASS + GPS



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Battery Backup



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Vehicle
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Management,
Tourist Vehicles

FIRST TECH TRACKING SYSTEM

MUNICIPAL MARKET COMPLEX, ROOM NO.: -1C/57
SODEPUR, KOLKATA-700110

www.ftts.in

SPECIFICATIONS

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FTTS

FTTS Container e-Lock GPS

G400



Detailed Product Description

Unlock Method:	Platform , SMS
GPS Sensitivity:	160dbm
SDK/API:	Available
Security:	Tamper, Swiping card, Unlock, Wrong password, Geo-fence Alarm
Battery:	6000mAH
GPS:	Location<10m
Lock Bar:	304 Stainless
Optional:	UHF RF ID Reader

Product specification

1. Power

Lithium Power:5200MA/3.6-4.2V .MAX:6000MAH

Working days>15days (every 3 minutes to report position information to platform)

Indicator light will become red when the power is low, and the low power can be set.

When the power consuming is arriving its extremity, the chip data and lock's status Will be kept, then deep hibernating.

2. Storage

It includes 2M flash, storage>5000 Blind data.

3. Using environment

Working Temperature: within -30°to 80°

Storage Temperature: within -45°to 85°

Waterproof Grade: IP67

Humidity: 95% non-condensation

Machinery Vibration: Half cycle sine wave 30g, accelerated speed's vibration keeps 11 MS, which can make sure that the quipment can not be damaged in the test and conforms the stipulation of IEC60068-2-2

Random Vibration:

Under -30°to 70°,its accelerated speed of axis vibrating arrives in 3g, the lock can vibrate 2h randomly without damage in the test, whose test conforms the stipulation of IEC60068-2-53

Salt Mist:

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The clock can not be damaged in the salt mist environment, whose test conforms the stipulation of IEC60068-2-11.

Electromagnetic Field: In the 50V/M high magnetic field, the lock can keep 60s without any damage. The lock also can bear 25KV static in the electric test without any damage.

4. Emergency unlock

Under invalid electronic or machinery part or other emergency circumstances, if the lock need to be unlocked, pulling the emergency equipment then the lock pole popping from the lock body, which will damage the machinery part of lock, after replacing its attachment to factory ,the lock will be used again.

Product Application

1. Logistics and freight forwarding
2. Valuable objects
3. Goods custody
4. Official secrets/Arms supplies

Product Advantage

1. Alarming function platform monitoring history path playback
2. GPS position
3. Recording blindness
4. Remotely open and lock
5. Monitoring in time
6. Double anti-fake

FIRST TECH TRACKING SYSTEM

MUNICIPAL MARKET COMPLEX, 1ST FLOOR, ROOM NO.-1C/57, SODEPUR, KOLKATA-700110
CONTACT NO.- 9883491744, 6295033136, 9933904862, 8585028300

GPS E-Lock

Model No.: T - JT701



Description:

GPS E-LOCK is a intelligent tracking lock device for asset management system. The main feature can be list as: Designed unlock not by key, but by RFID/remotely password; With big capacity battery, long working time; Built-in wireless module, real time online monitoring ; Built-in GPS module, global locating ; safety control, illegal unlock alarm and so on. The application can be container, trailer, Van type trucks and other types of trucks remote monitoring system.

Parameters:

Dimension (LxWxH):	195mmx114mmx37mm
Housing Material:	Engineering plastics
Weight:	700g (with standard accessories)
Built in battery:	15000mAh rechargeable lithium battery
Working temperature:	-20°C---+60°C
Storage temperature:	-40°C---+80°C
Relative humidity:	5%--99% Wa-
terproof Grade:	IP65
Average standby current:	Less than 0.1mA
Average working current:	Less than 90mA

GSM frequency: 900/1800/1900 MHz

Function:

Transmission Mode: TCP / SMS

I Data automatic upload: Time interval

Locating mode: GPS / LBS

Vibration detecting: Built in 3G sensor

Lock status monitoring mode: Real time monitoring

Unlock: RFID/remote password

Wake up mode: Call / SMS / Swiping card / Vibration /

Lock string tamper

Alarm:

Lock-string tampers alarm

Swiping card alarm

Unlock alarm

Wrong password alarm

Geo-fence alarm

FIRST TECH TRACKING SYSTEM

MUNICIPAL MARKET COMPLEX, SODEPUR, KOLKATA- 700110

CONTACT NO.- 9883491744, 6295033136, 9933904862,
8585028300

LiGO

DATA SHEET

FUEL LEVEL SENSOR

DOCUMENT
VERSION

2.0.1



Highlight Feature:

99.5%

High accuracy up to 99.5%



1500V

Galvanic separation



+85
-40

Good operating temperature from -40 - 85 °C



IP67

Measures against dust and water IP67



Certification Quatest 1

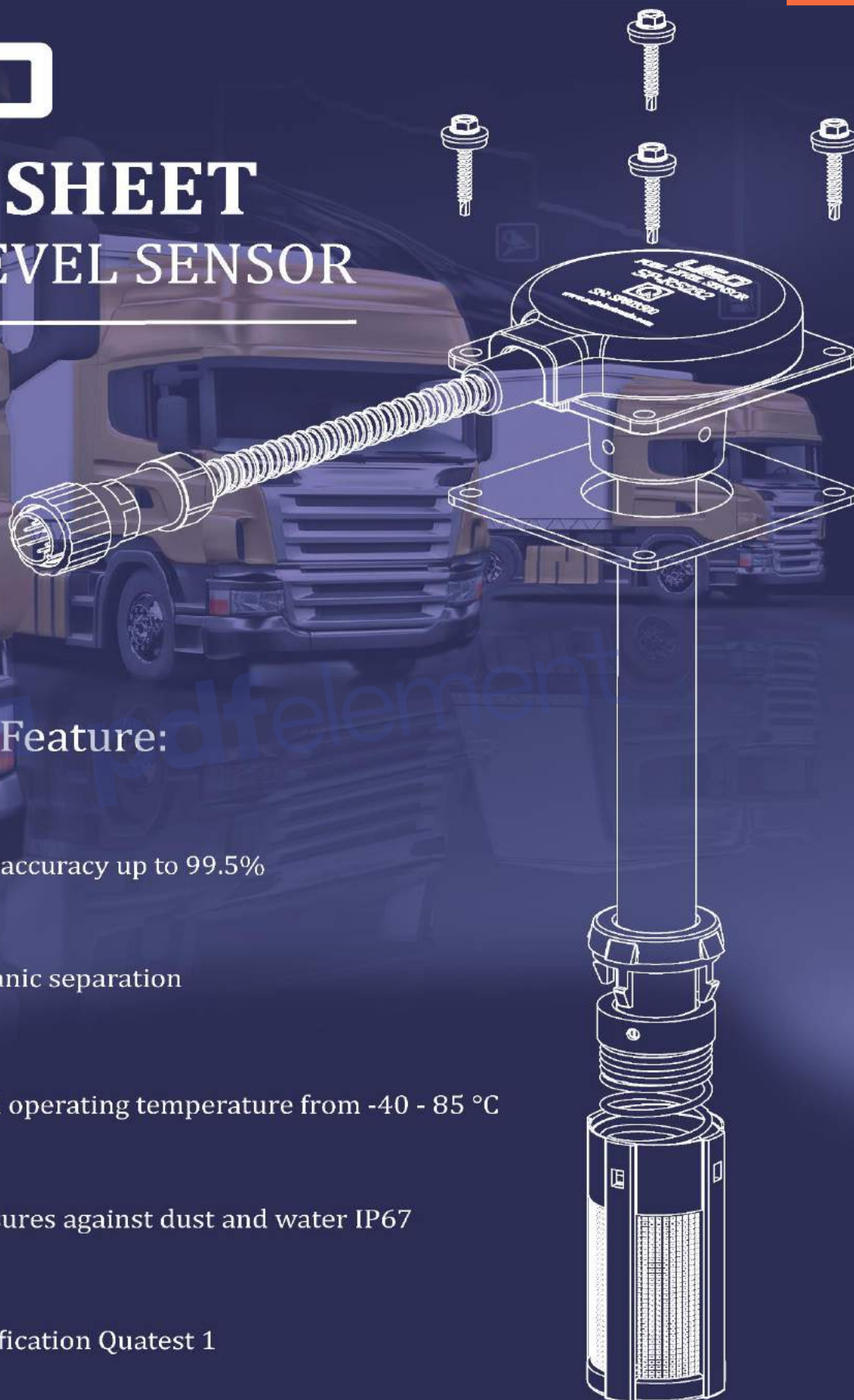




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I. GENERAL INTRODUCTION

LIGO Fuel level sensor is produced and developed by SOJI Electronics Limited Company. The device is designed to measure the level of liquid fuel and other non-conductive liquids in vehicle's tanks and stationary fuel storage, applicable in different fields. The measured values will be transmitted to an external device as an output signal such as: Analog, Frequency, RS232, RS485... in order to connect to an external device.

Under particular conditions, the device can reach a high accuracy up to 99.5%. At present, on the market there are several lines of sensor used to measure fuel level, possessing different technologies such as: magnetically operated switches (reed switches), ultrasound wave (ultrasonic sensor), capacitive sensing (capacitive sensor). Among these ones, capacitive sensing technology is considered to have highest accuracy and best device lifespan.

II. KEY FEATURES

1. High accuracy up to 99,5%.
2. Wide operating voltage range (only applicable to LIGO-SP-PRO with the voltage from 7.5 to 75V).
3. Inside isolation voltage up to 2500V (only applicable to LIGO-SP-PRO).
4. Can be optionally cut off or prolonged up to 6000mm.
5. Automatically recognizes new length after being cut.
6. Wide operating temperature range from -40°C to +85°C.
7. A filter protects the probe from dregs and water.
8. IP67 waterproof standard.
9. Interference filter and thermal error compensation system.
10. Installation and configuration software... on PC though a Connection Device.
11. Quick installation, security seal.

III. GENERAL APPLICATIONS

Trucks, container cars, excavators, trains...

Boats, barges.

Electric generators.

Industrial oil storage tanks and stationary storage tanks.

Factories, industrial zones.

Fuel storage tanks in agricultural machines and maritime transportation...



IV. TECHNICAL SPECIFICATIONS

Technical specifications of the LIGO-SP product

PARAMETER	AF	RS232	RS485
Standard length (L),mm	700, 1000, 1500...up to 6000 mm	700, 1000, 1500...up to 6000 mm	700, 1000, 1500...up to 6000 mm
Measuring error, %	± 0.5 %	± 0.5 %	± 0.5 %
Output signal	Analog (1-10V), Frequency (500- 2000Hz).	RS232	RS485
Baud rate, bit/sec	9600	2400, 4800, 9600, 19200, 38400, 57600, 115200.	2400, 4800, 9600, 19200, 38400, 57600, 115200.
Power supply (DC input voltage, V)	9-37	9-37	9-37
Maximum power consumption, mA	20	20	20
Waterproof standard (Ingress protection rating, IP)	IP67	IP67	IP67
Operating temperature, °C	-40...+85	-40...+85	-40...+85
Maximum allowed humidity level, %	100	100	100
Resolution, bit	12	12	12
Digital reading range corresponding to the minimum level measurement value	Analog (1...9V); Frequency (500...1500 Hz)	0	0
Digital reading range corresponding to the maximum level measurement value	Analog (2...10V); Frequency (1000...2000 Hz)	4095	4095
Average sampling period, s	0...120	0...120	0...120
Message interval, s	Continuous	1...60	1...60
Absolute error in temperature measurement within the entire temperature measuring range, °C	±2	±2	±2
Average service life, years (minimum)	8	8	8



Technical specifications of the LIGO-SP PRO product

- LIGO-SP PRO product is designed to applied to devices having wide input voltage (7.5-50V), the voltage of the internal sensing printed circuit board isolated from outside is 2500V. The internal temperature sensor has a very low error rate at <0.6°C. The product is designed to operate in extreme environment.

PARAMETER	AF	RS232	RS485
Standard length (L),mm	700, 1000, 1500...up to 6000 mm	700, 1000, 1500...up to 6000 mm	700, 1000, 1500...up to 6000 mm
Measuring error, %	± 0.5 %	± 0.5 %	± 0.5 %
Output signal	Analog (1-10V), Frequency (5s00- 2000Hz).	RS232	RS485
Baud rate, bit/sec	9600	2400, 4800, 9600, 19200, 38400, 57600, 115200.	2400, 4800, 9600, 19200, 38400, 57600, 115200.
Power supply (DC input voltage, V) 2500V internal isolated	7.5-75	7.5-75	7.5-75
Maximum power consumption, mA	20	20	20
Waterproof standard (Ingress protection rating, IP)	IP67	IP67	IP67
Operating temperature, °C	-40...+85	-40...+85	-40...+85
Maximum allowed humidity level,%	100	100	100
Resolution, bit	12	12	12
Digital reading range corresponding to the minimum level measurement value	Analog (1...9V); Frequency (500...1500 Hz)	0	0
Digital reading range corresponding to the maximum level measurement value	Analog (2...10V); Frequency (1000...2000 Hz)	4095	4095
Average sampling time, s	0...255	0...255	0...255
Message interval, s	continuous	1...60	1...60
Absolute error in temperature measurement within the entire temperature measuring range, °C	±0.6	±0.6	±0.6
Average service life, years	10	10	10



TECHNICAL CHARACTERISTICS

1. Voltage output signal depending on the probe length

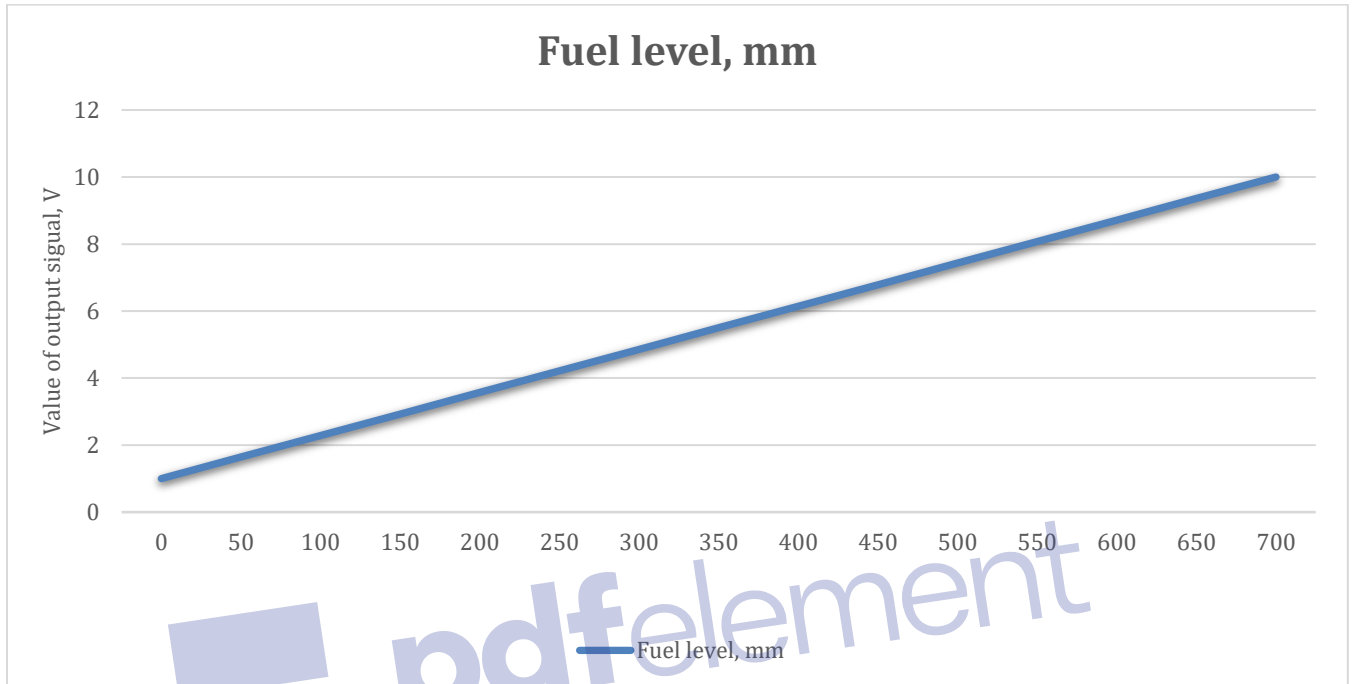


Figure 1. Dependence of the voltage output signal on the fuel level. Operating voltage range from 0-10V.

2. Frequency output signal depending on the probe length

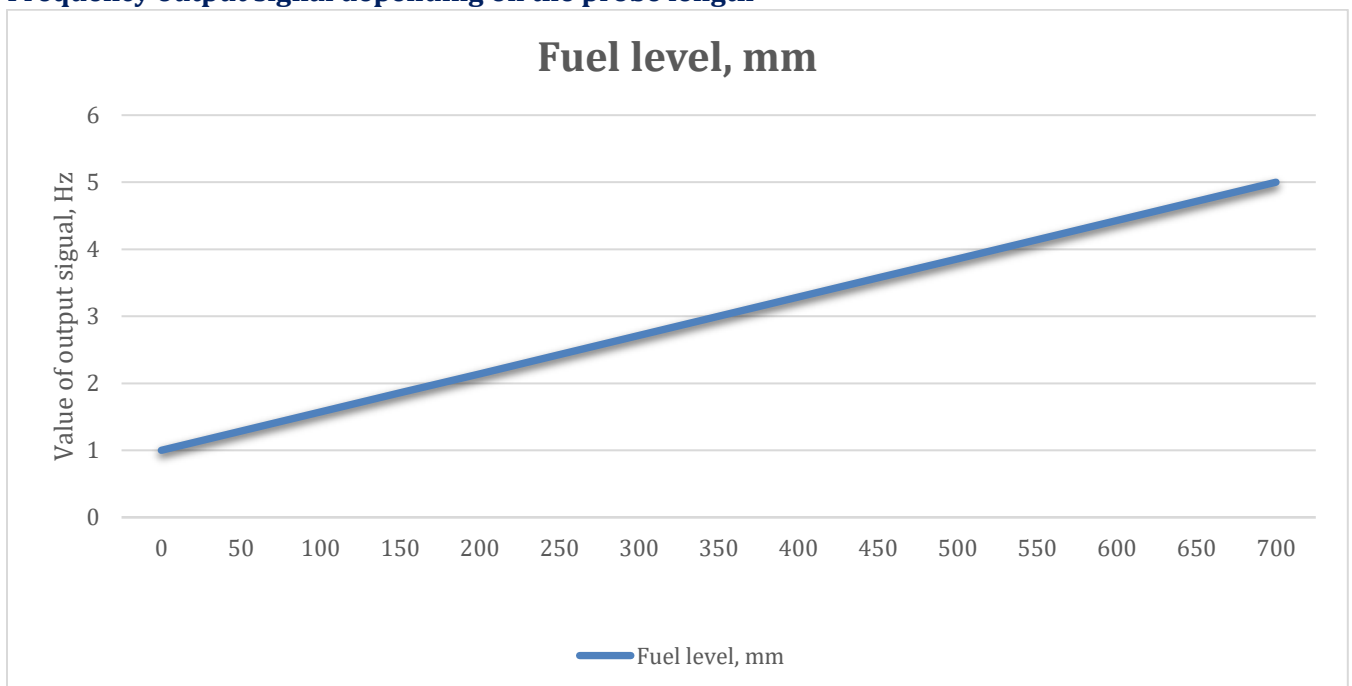


Figure 2. Dependence of the frequency output signal on the probe length. Operating frequency range from 500-2000Hz.



3. RS232/RS485 output signal depending on the probe length

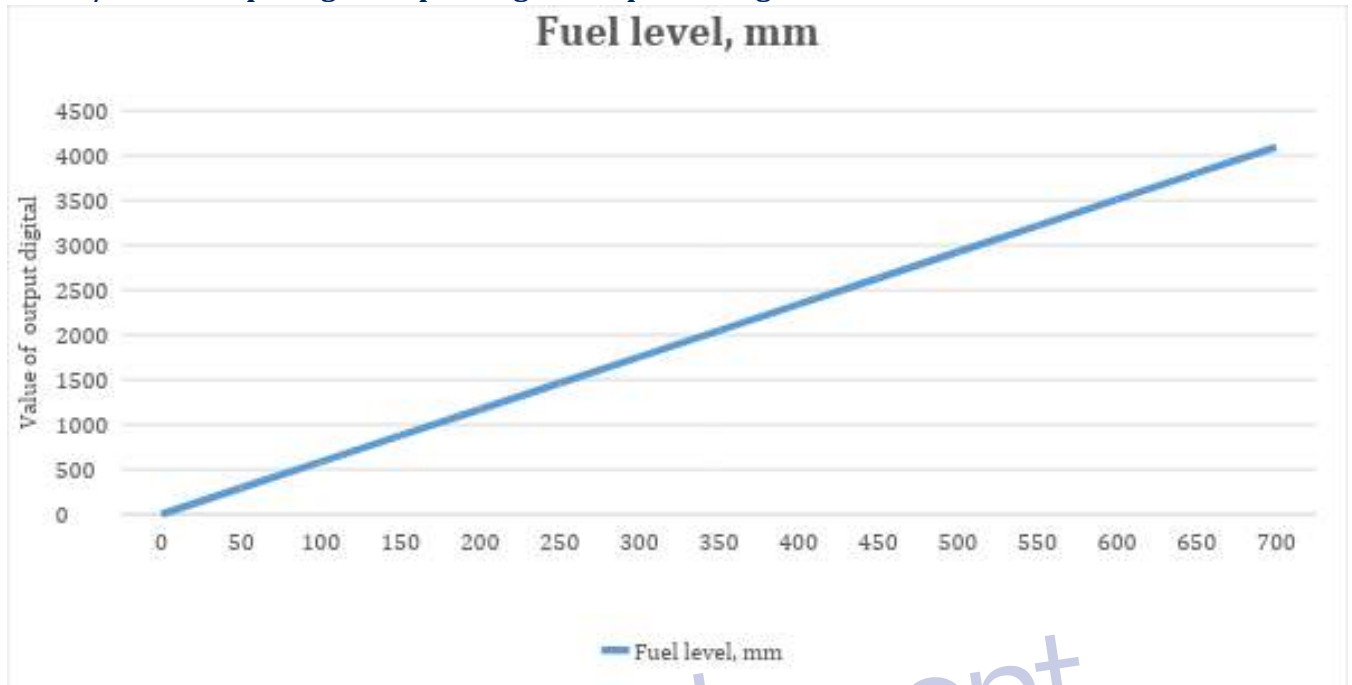


Figure 3. Dependence of the RS232/RS485 output signal on the probe length. Measurement range from (0-4095)

V. OVERALL DIMENSIONS AND DETAILED DESCRIPTION

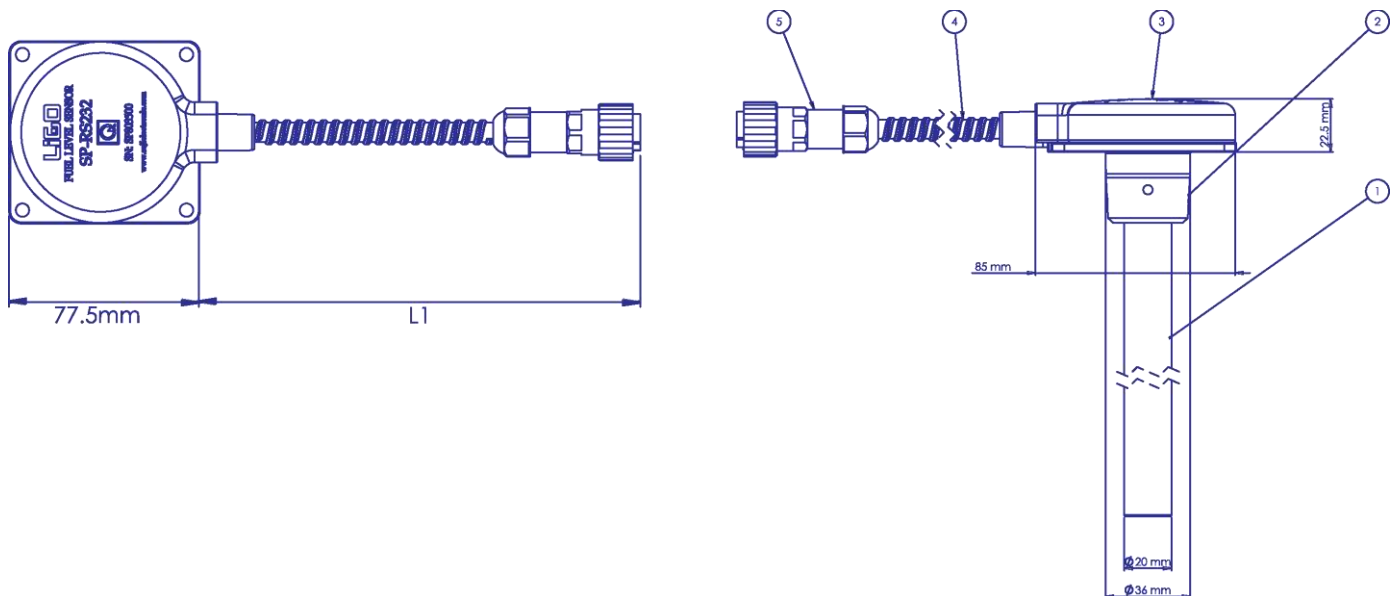


Figure 4. LIGO fuel level sensor's overall dimensions.

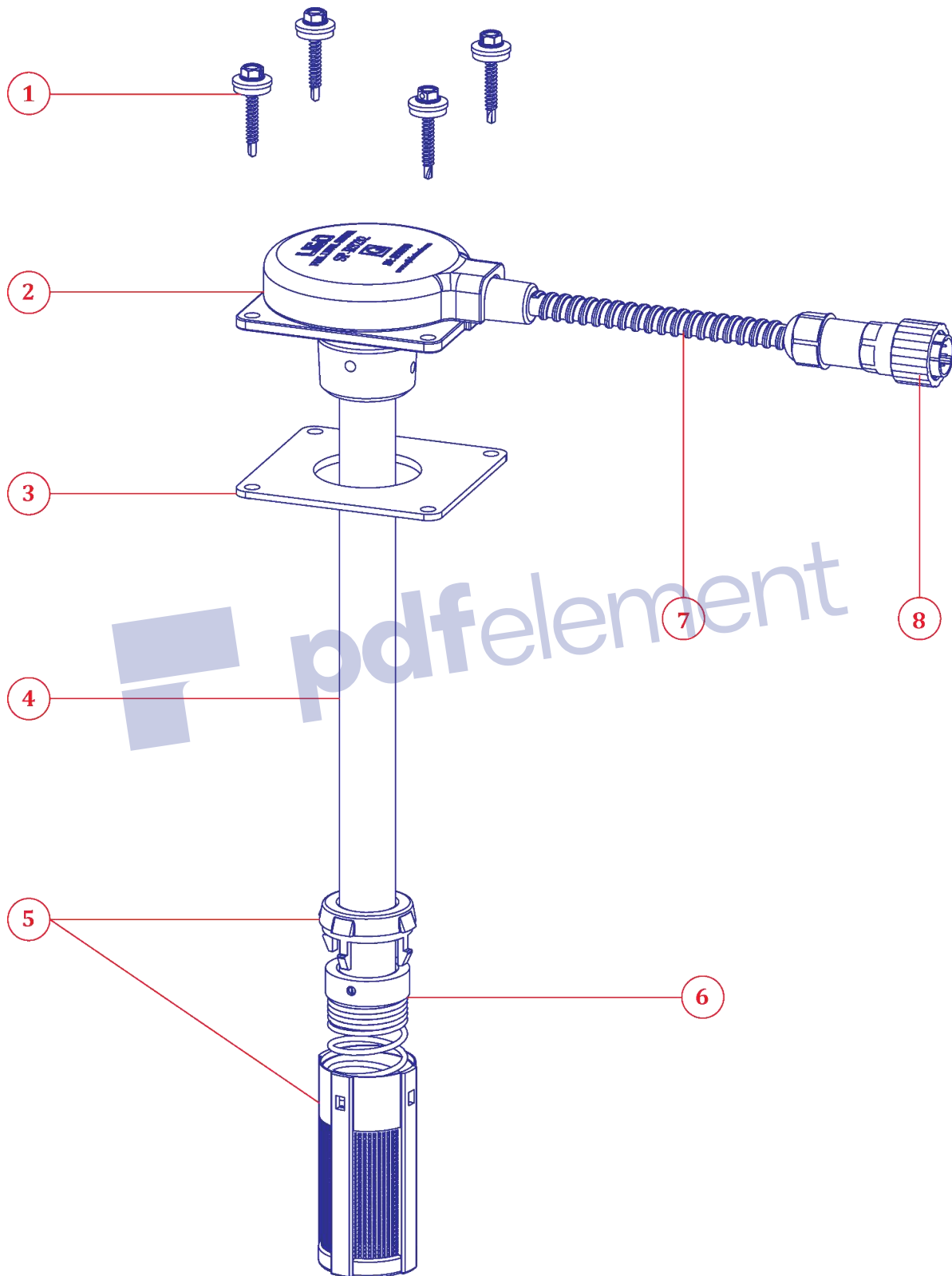


Figure 5: Description of sensor's parts



Description:

No	Content
1	Self-drilling M4.8x32mm x 4pcs, M5x20 revitnut x4pcs
2	Sensor's head containing sensing circuit board
3	Gasoline resistant rubber gasket
4	Sensing probe (Aluminum 6061 and stainless steel option)
5	Oil filter
6	Anti-vibration spring
7	PE flexible conduit
8	Connector IP67

VI. CONNECTOR

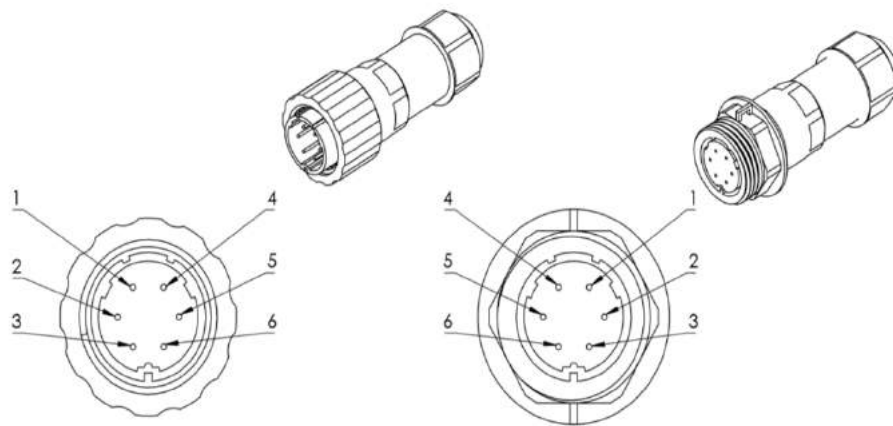


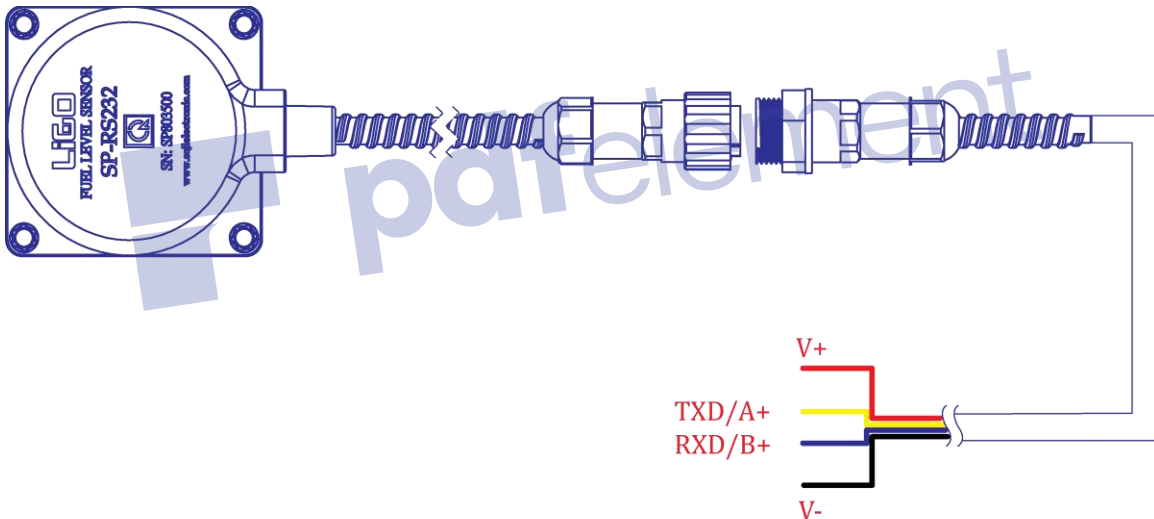
Figure 6. The detail of connector pins



PIN	DESCRIPTION
1	GND
2	9-37 VDC
3	NC (Not connected)
4	Analog or Frequency
5	TXD/A+
6	RXD/ B+

1. Connecting LiGO-SP and LiGO-SP PRO to an external device

+ RS232/ RS485

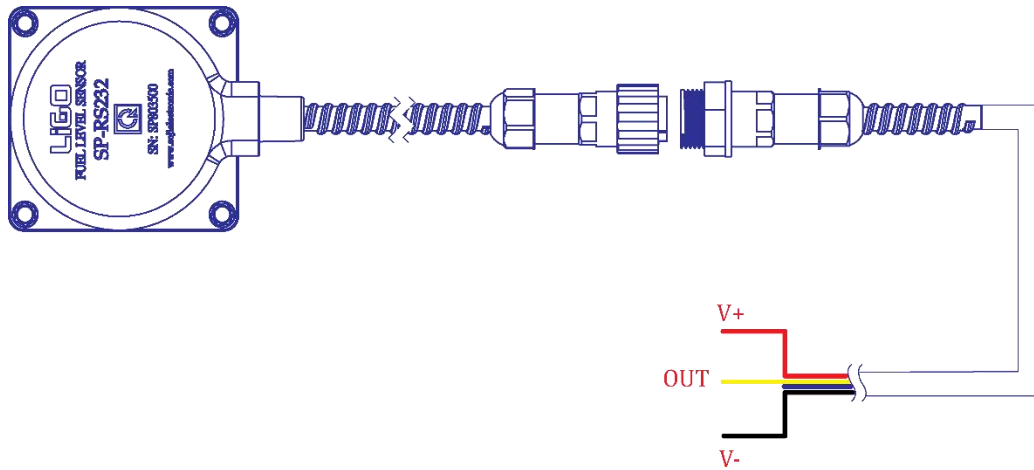


WIRE COLOUR	DESCRIPTION
Black	GND (Ground) (V-)
Yellow	RXD/A+
Blue	TXD/B+
Red	9-37 VDC or 7.5-75V for SP PRO series

Figure 7. Wiring diagram of RS232 and RS485 output signals.



+ AF (Analog & Frequency)



WIRE COLOUR		DESCRIPTION
	Black	GND (Ground) (V-)
	Yellow	Out (Analog/Frequency)
	Red	9-37 VDC or 7.5-75V for SP PRO series

Figure 8. Wiring diagram of Analog and Frequency output signals.

LIGO fuel sensor is protected against reverse-polarity and overvoltage. This feature helps to protect circuit boards against incorrect connections and it can withstand a continuous over-voltage condition (up to 50V in LIGO-SP product and 100V in LIGO-SP-PRO product) and short-circuit. Please avoid connecting sensor to a power supply which is unstable, usually fluctuates, or has a voltage higher than the recommended voltage range above.



Using a fuse coupled with one pole (-) or (+) is recommended for over-voltage protection purpose in case the car equipment is too old or the power cannot be guaranteed. It is advisable to use fuses which have the rated current less than 2A.



2. Connecting to PC to configure the device

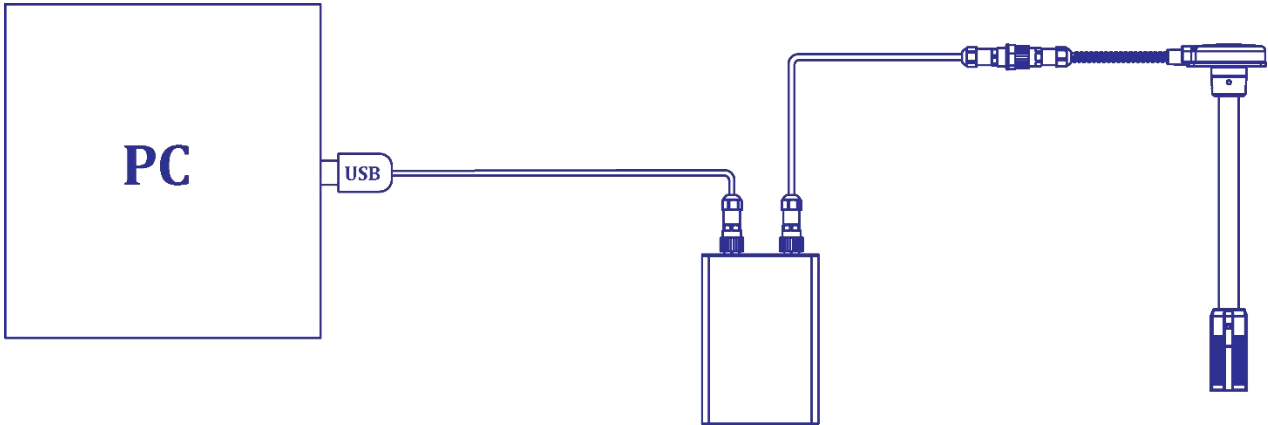


Figure 9. Connection diagram of sensor to PC via a configuration tool.

3. Configuration software interface

Setting up and managing the appropriate configurations for the sensor is indispensable to properly, stably and accurately operate the device sensor LiGO-AF, as well as usually keep informed about the device's operating situation, failure (caused by the sensor itself or external factors), and lifespan.

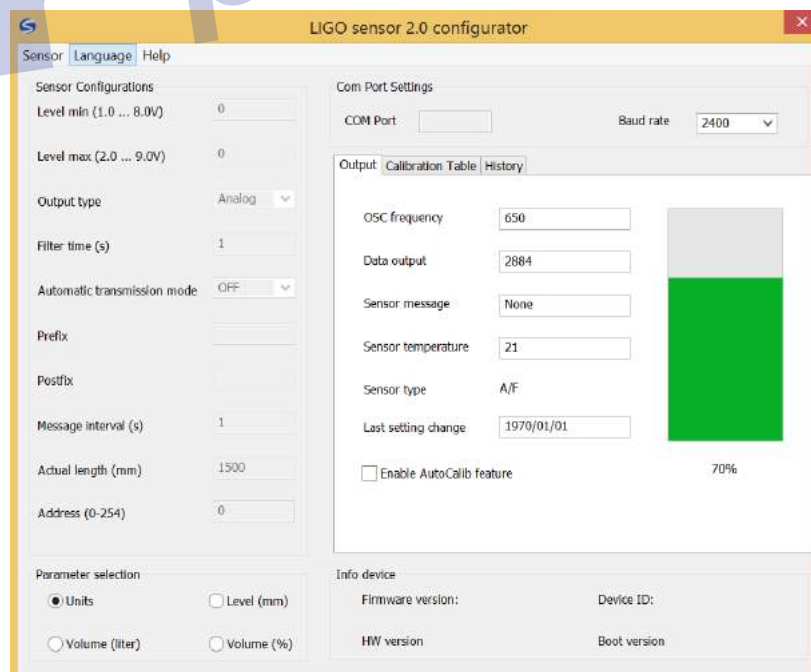


Figure 10. Device's management, setting up and configuration software interface



Main parameters:

1. Sensor:

Restore password: Restore user password, user will receive an encrypted string which will be sent to SOJI for password decryption

Change password: Change user password

Load config: Load configurations from sensor to PC. Note: user must load configurations from sensor before changing configurations on PC

Save config: Save configurations from PC to sensor

Update firmware: Upgrade new firmware for sensor (visit www.sojielectronics.com for the latest firmware version)

Set full: Set Full for maximum fuel level calibration

Set Empty: Set Empty for minimum fuel level calibration

Exit: Quit configuration interface

2. **Language:** Choose English or Vietnamese interface

3. **Level Min:** Configure LIGO SP-AF output voltage or frequency range according to the voltage or frequency range of the tracking device input

4. **Level Max:** Configure LIGO SP-AF output voltage or frequency range according to the voltage or frequency range of the tracking device input

5. **Output type:** Select analog or frequency output (used only for LIGO SP-AF)

6. **Filter time:** set output signal processing time. Default time 60 seconds.

7. **Automatic transmission mode:** Automatic transmission mode applied only to RS232/RS485 defines sensor output message type:

- Off – no automatic message transmission, sensor is waiting for tracking device request;
- HEX - automatic message transmission in binary format (used by default);
- ASCII - automatic message transmission in text format;
- ASCII EXT – automatic message transmission in extended text format. Additional Prefix and Postfix configurable parameters are available for this mode to insert required header or ending of the message.

8. **Message interval:** Time period that the sensor automatically sends output message to the tracking device. Parameter value range is from 1...60 seconds with 1 second step. Default value is 1 second.



9. **Actual length:** The actual length of sensor probe
10. **Address (0-254):** Set the network address for the sensor. When several sensors are connected to one external device, they should have a unique network address.
11. **Parameter selection:** Select output value type for sensor data
One of the following output value types available for LIGO-RS232 and LIGO-RS485
 - Fuel level in standard (normalized) units (0...1000);
 - Fuel level in millimeters (mm), 0.1 mm step;
 - Fuel volume in liters (L), 0.1 L step;
 - Fuel volume in percentage (%), 0.4% step.
12. **COM Port:** COM port number will be displayed on PC as well as baud rate for RS232 and RS485.
13. **Baud rate:** Select the rate for data exchange with external device. Default value – 9600 bit/s.
14. **Output:**
 - OSC frequency:** Initial measuring generator frequency (Hz)
 - Data output:** Data output (0-4095)
 - Sensor message:** Sensor working message

Sensor message	Transcript of the malfunction code	Possible solution
255 or 254	Calibration error	Check if the measuring probe actual size value is inserted correctly and (or) re-calibrate the sensor
253	Short circuit in measuring probe tubes	Wash the measuring probe tubes with clean fuel, clean fuel tank of mud and water.



252	Calibration error	Check if the measuring probe actual size value is inserted correctly and (or) re-calibrate the sensor
251	Hardware failure	Contact supplier
250	Calibration error	Check if the measuring probe actual size value is inserted correctly and (or) re-calibrate the sensor

Sensor temperature: temperature inside sensor circuit board

Sensor type: Sensor models RS232, RS485, AF

15. **Calibration Table:** Calibration table

16. **History:** Configuration history

17. **Enable AutoClib feature:** Automatically calibrate after cutting. User does not need to reconfigure after cutting.

18. **Infor device:**

Firmware version: Sensor's firmware version

Device ID: Sensing chip's ID

HW version: Sensor's hardware version

Boot version: Sensor's bootloader version

4. Connecting multiple sensors together (Only applicable to RS232 and RS485)

In some situations, there are oil tanks with particular dimensions, communicating oil tanks, too long or too large oil tanks... multiple oil tanks need to be managed on only 1 device or Datalogger cannot use only 1 sensor to measure the accurate fuel level inside oil tanks, and therefore requires the connection between 2 or multiple sensors together by the data processor DATA-SUM.

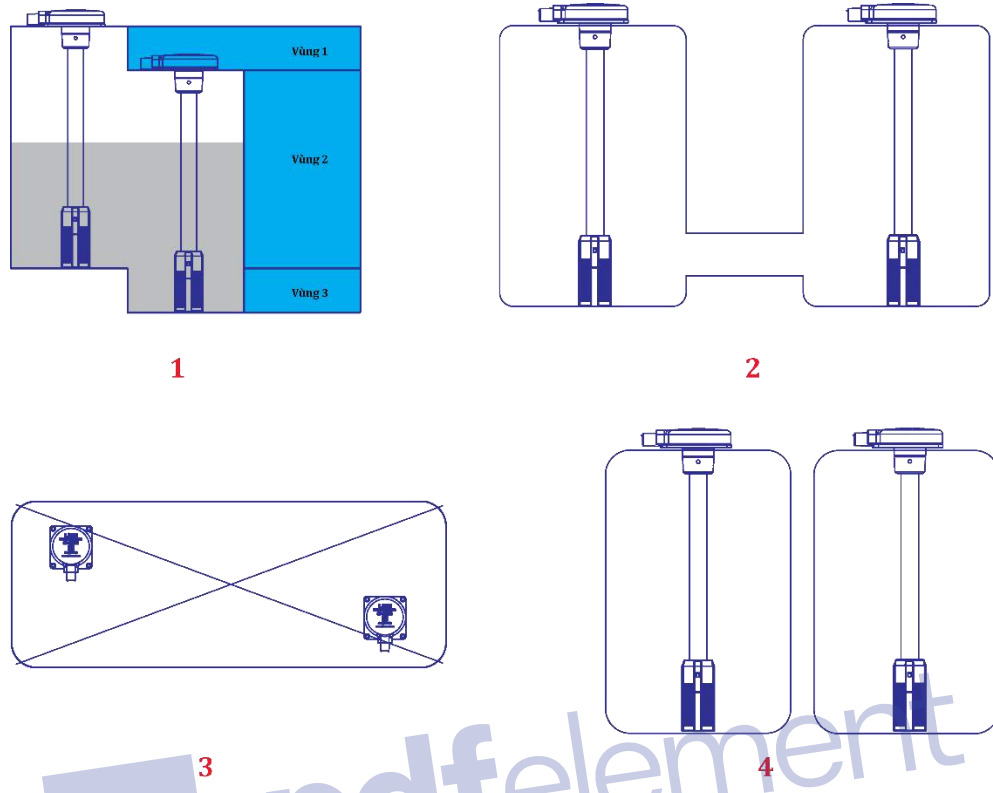


Figure 11. Oil tank with particular dimensions connecting multiple sensors together

Connection diagram of the processor SUM-DATA for multiple sensors:

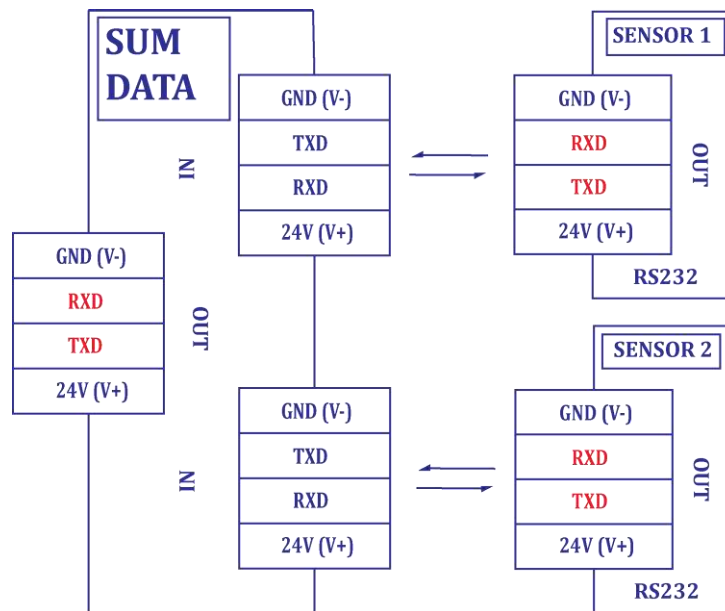


Figure 12: Connecting 2 sensors by 01 processor SUM-DATA

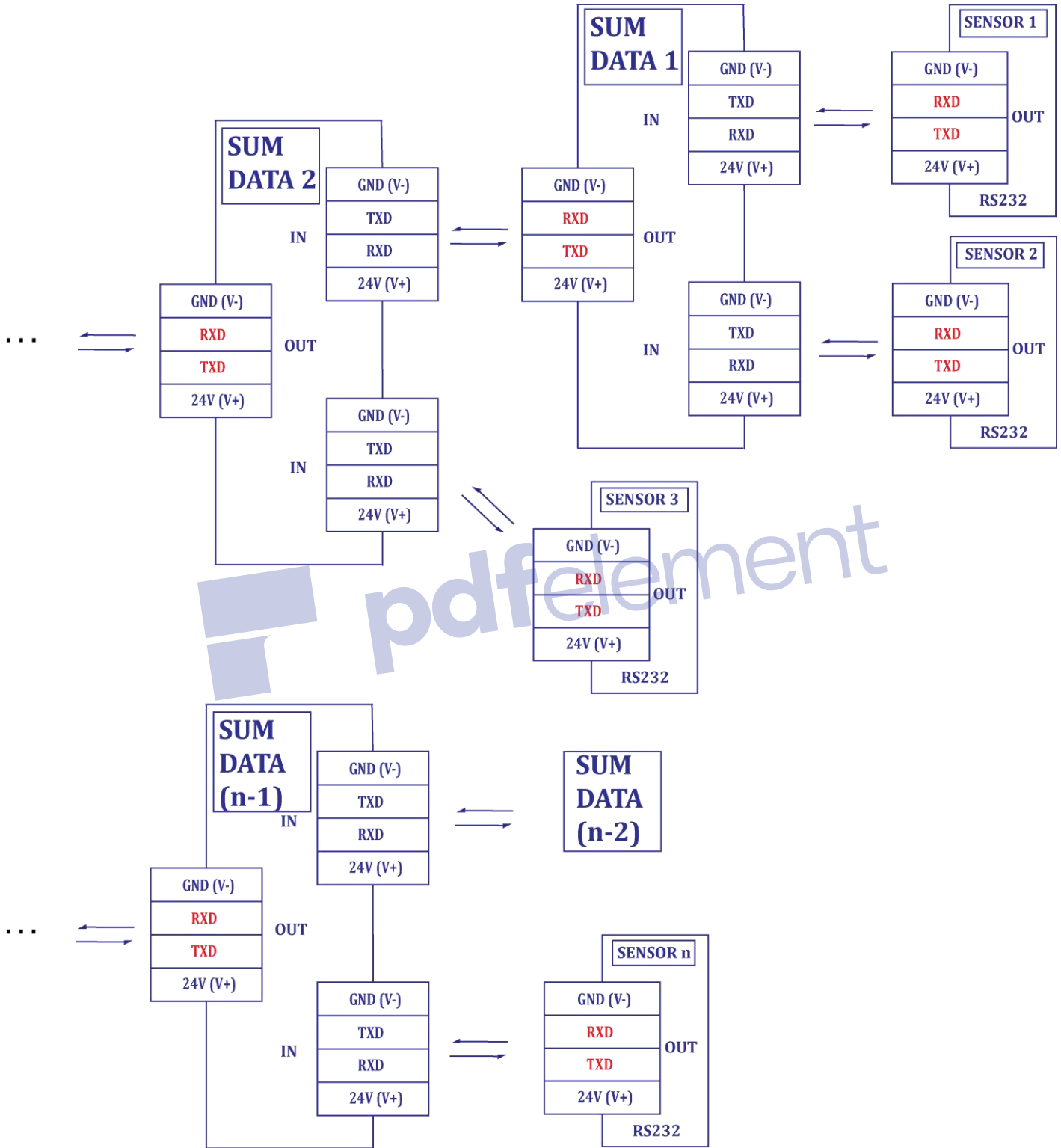


Figure 13: Connecting multiple sensors together by multiple processors SUM-DATA



VII. PRODUCT AND ACCESSORIES

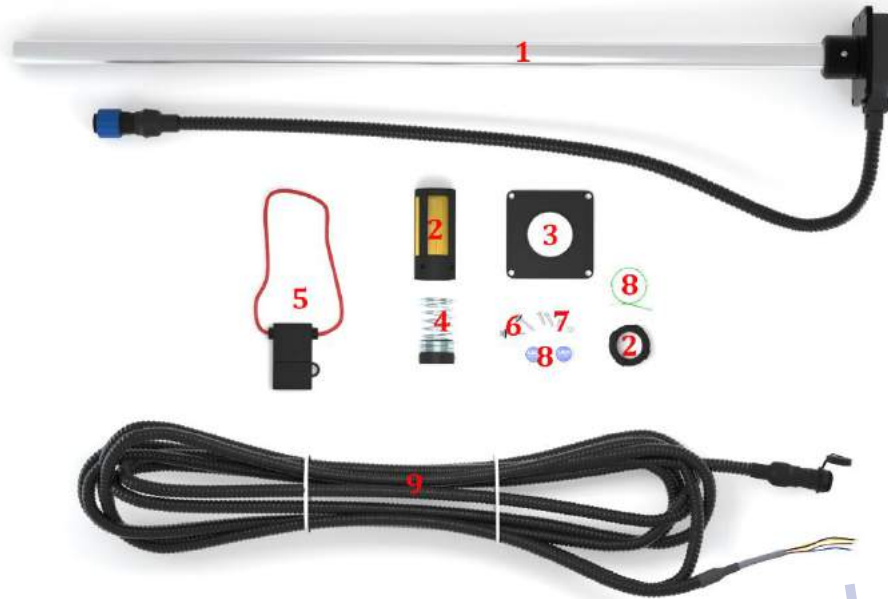


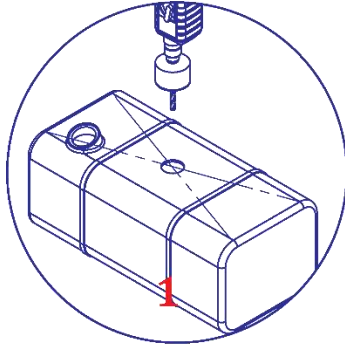
Figure 14: Sensor and all the accessories

No.	Description	Q'ty (pcs)
1	LIGO Fuel Level Sensor. Standard lengths: 700, 1000, 1500mm (for other customized lengths, please contact the manufacturer)	01
2	Oil filter	01
3	Gasoline resistant rubber gasket	01
4	Anti-vibration spring when moving	01
5	2A Fuse protection	01
6	Self-drilling screw M4.8x32mm	04
7	Rivet and screw M5x20mm	04
8	Sealing cord	02
9	7m PVC coated signal wire	01
10	Quick installation manual	01

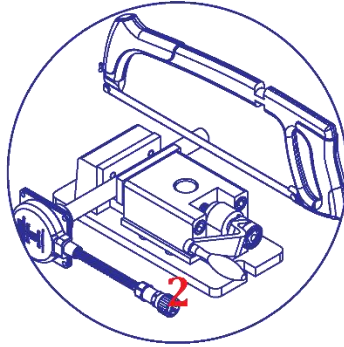


VIII. INSTALLATION

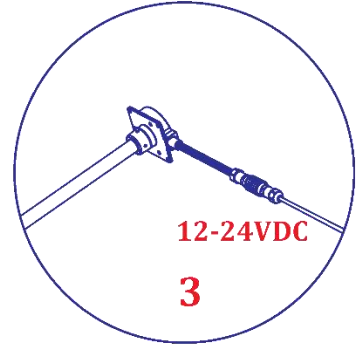
Quick installation through 5 steps:



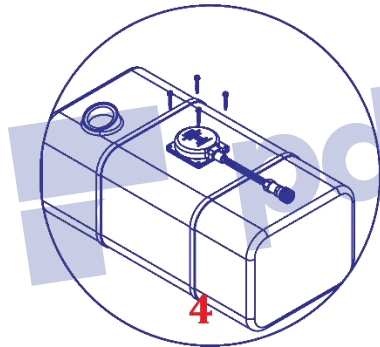
Pierce oil tank



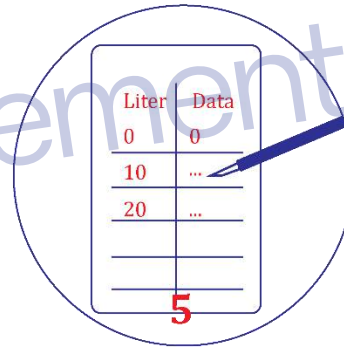
Based on oil tank's height, cut
a suitable level indicator



Configure new length



Install the level indicator in
the oil tank



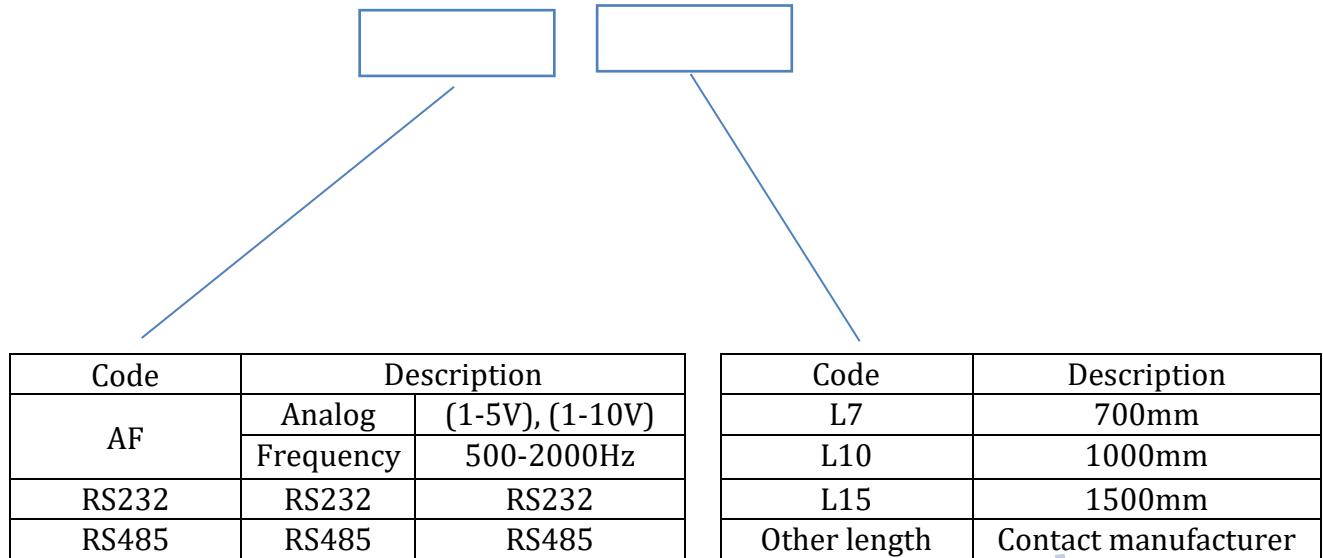
Re-adjust the sensor according to
the volume of the oil tank

Figure 15. 5-step sensor installation.

For further information about the sensor's installation procedure and configurator software, please visit our website www.sojielectronics.com or contact us for more details.

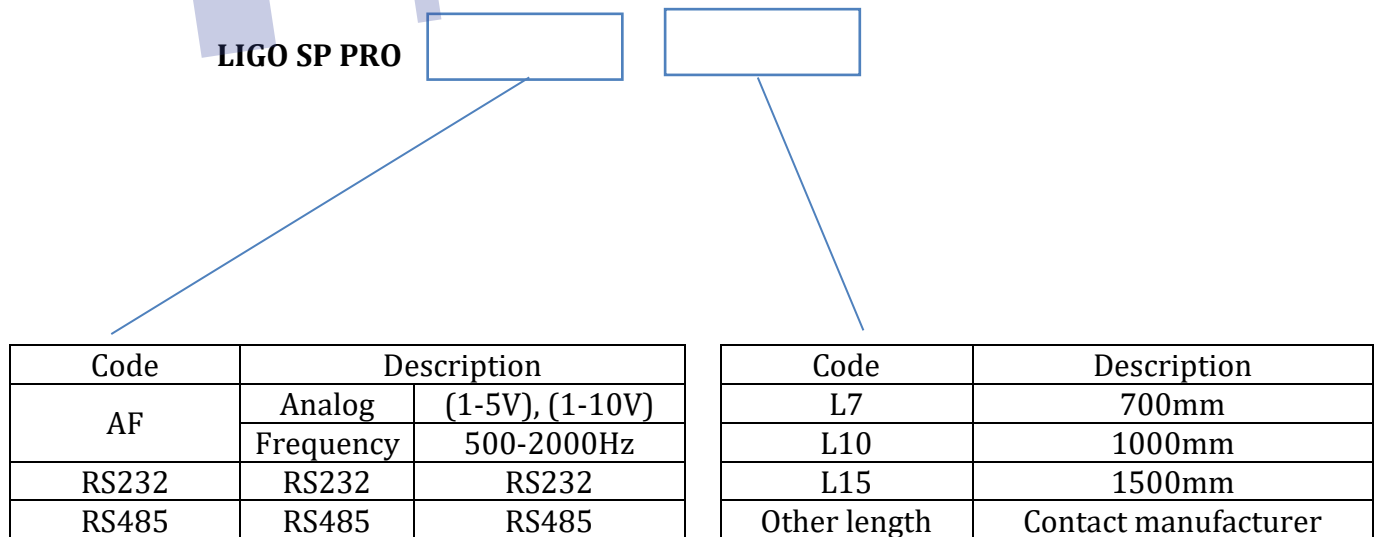


IX. LIGO-SP ORDER CODE



For example: **700mm length, output signal AF** sensor has the order code: LIGO-SP-AFL7

X. LIGO-SP-PRO ORDER CODE



For example: **700mm length, output signal AF** sensor has the order code: LIGO-SP-PRO-AFL7



XI. CONTACT US

The purpose of this datasheet is to provide comprehensive information on the structure, operation principle and operating rules for the LiGO-series fuel level sensor. Please feel free to send your comments regarding any errors or omissions you might find, or any suggestions you might have for the general improvement of this document. Data specifications can be changed without any notification. For the latest information and updates, please visit us at: www.sojielectronics.com

SOJI ELECTRONICS JOINT STOCK COMPANY

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Ho Chi Minh office: No 277 Hoang Hoa Tham, 13 ward, Tan Binh Ho Chi Minh, Viet Nam

Belarus office: Belarus, Minsk, road Nezavisimosti, budding 67, room 227

Tel/Fax: +84 24 62 932 369

Hotline: +84 912 677 958

Email: contact@sojielectronics.com

Visit us at website: www.sojielectronics.com

REVISION HISTORY

Date	Version	Description
10.01.2018	2.0.1	First release

First Tech Tracking System is one of the most trusted Boat Tracker Manufacturers in Kolkata, West Bengal. We have the best trackers available with distinct features and customizations that can benefit the end-users and give them value for money. These may help to track and locate the boat through GPS, where there is no connectivity. These trackers are loaded with more advanced features and work well in different conditions. Being the preeminent Boat Tracker Service Provider, we know how to deal with all the technicalities and serve the right related assistance to you.

Looking for one of the reliable Toto GPS Tracker Manufacturers in Kolkata, West Bengal? First Tech Tracking System would be the destination you need to stop by. With our years of experience and great expertise in the niche, we design and develop the most standard and customized trackers that can benefit our customers in the long-run. Our offered trackers are loaded with the most advanced features, which can guarantee their superb performance and proper tracking and controlling, as expected. Noted as the best Toto GPS Tracker Service Provider, we are here to serve repair and maintenance assistance.

Specifications of " Chaukas" vehicle tracking system

Model Chaukas -1v1Device Enclosure-IP 65 Operating

Voltage-5 to 42 VDC

Origin INDIA Dimensions (L * B * H)5x6x3cms,

Weight in grams30 Grams, without cable,

Current Consumptions @12 VDC supply In Stand by 30 mA in Peak 200mA (for 100 m Seconds.),

Electrical Protection -Tranzorbsand Fuse ,

Location Message Frequency Minimum 10Seconds Default 1 minute + Immediate events Basic Wire Connections Inputs –Digital1 Digital I/P-Analog1 Analog i/p Outputs1 Digital o/p

Geo-fence Management 1 Polygon with 5 points or circular GPS MTK

**Chipset GSM Quad Band, Class 12 GPRS 2GGPS Receiver MTK
Chipset GPS Sensitivity Acquisition = -148dBm, Tracking = -165dBm, GPS Channel Acquisition 66 and Tracking 22Accelerometers Without Aid = 0.1m/s² (GPS Based)**

Virtual Odometer Built in GPS LED Yes (RED)GPRS / Server / Data sent LED Yes (BLUE)GPS

Receiver Specifications :Position Accuracy Autonomous=<2.5Mcep

Battery Backup12Hrs.Data Logging 1000packets

Remote Configurability Yes

GSM Antenna Embedded(Built in)GPS Antenna Embedded(Built in)

Auto re-set

Complete power control watchdog

Self detected Remote firmware up gradation YES with HTTP or/and FTP Cell site base geo location while vehicle is under basement or under roof parking YES

Auto APN select based on SIM card

**YES Vehicle Battery Voltage Detection Only Internal Battery Voltage
Yes Maximum internet bandwidth usage With Raw TCP socket
Maximum8MB,with1minute data interval and Immediate Events Data packet size Maximum150 bytes per packet**

Alerts: Ignition On /Off YES

Over speed YES

Device opening YES

Vehicle battery power disconnection YES

Stoppage YES

**Low battery alert NO for external battery, Yes for Internal
battery Direction Change Alert YES**

**Environmental :Operating Temperature -40 to + 70 degree Celsius
Storage Temperature -40 to + 85 degree Celsius Relative Humidity
Up to 70**

. Hardware manufacture India

Two Serial port vga camera

- **Internal GSM and GPS Antenna**
- **Real Time Tracking**
- **Back-Up Battery (8 to 12 Hrs.)**
- **Built in Geofence Manag**

Live snap shot with real time tracking.

Device Specifications:

- . Hardware manufacture India
- Internal GSM and GPS Antenna
- Real Time Tracking
- Back-Up Battery (8 to 12 Hrs.)
- Built in Geofence Management

- Engine cut imbulizer



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Stoppage YES

**Low battery alert NO for external battery, Yes for Internal
battery Direction Change Alert YES**

**Environmental :Operating Temperature -40 to + 70 degree Celsius
Storage Temperature -40 to + 85 degree Celsius Relative Humidity
Up to 70**

As a customer-focused organization, we are providing a wide array of **Magnetic Door Sensors**. In addition to this, we are providing these products at very leading prices.

Features:

- Easy to use
- Top performance
- Low maintenance





RFID READERS HF



DESKTOP RFID READER

pdfelement



USB RFID HF READER

HF RFID READER

Optimum Read Range	2 – 4 cm
Operating Frequency	13.56 MHz

COMMUNICATIONS

Bluetooth®	Version 2.1 Class 2 Bluetooth Profiles (?): Serial Port Profile (SPP) or Human Interface Device (HID)
Wireless Range	10m
Operating Frequency	2.4 GHz – 2.48 GHz
USB 2.0	USB 2.0 Standard Port

STORAGE

RFID Tag Capacity	1000 Tag IDs
-------------------	--------------

ELECTRICAL

Battery	Rechargeable 3.6v Lithium Ion 550mAh
Battery Life	8 hour average*
USB Charge	USB 2.0 Standard Port

PLATFORMS

Mobile	WM 5, WM 6, Win 8, iOS, Android
Desktop	Windows XP, Windows Vista, Win 7

PHYSICAL

Dimensions	137mm x 28mm x 21mm
Weight	60g

ENVIRONMENT

Operating Temperature	-20 deg C to 40 deg C
Storage Temperature	-20 deg C to 50 deg C

RFID R/W 54mm x 85mm Rectangle Tag



This RFID Read/Write transponder tag is part of the EM Microelectronic-Marin SA EM4x50 family and is designed to work with our **RFID Read/Write Module, Serial (#28440)**. Each tag contains a unique, read-only serial number (one of 2^{32} , or 4,294,967,296 possible combinations) and 116 bytes of user data area stored in a non-volatile EEPROM (Electrically Erasable Read Only Memory). The user data area can be optionally secured with a 32-bit password to allow only authorized read and write operations.

These tags are not compatible with the RFID Card Reader (USB or Serial).

Not recommended for use in direct sunlight. Use **RFID R/W Round Tags** instead.

Features:

- EM Microelectronic-Marin SA EM4x50 family
- 125 kHz operating frequency
- Thin package
- Both sides are fully printable with offset, thermo-transfer and dye sublimation printing

Compatible with:

- **RFID Card Reader/Writer (Serial)**

Item code 28441



Device Specifications:

. Hardware manufacture india

AC Sensor

- Internal GSM and GPS Antenna
- Real Time Tracking
- Back-Up Battery (8 to 12 Hrs.)
- Built in Geofence Manag

We are offering a wide gamut of **Temperature Sensor** in the market. These are manufactured at state of art infrastructure unit.

Features:

- Compact design
- Low maintenance
- Sturdy construction

School Bus Tracking System is a useful device designed to track the location of school children while in transit, which ensures their safety. The software of the system is advanced and helps to keep a real-time track on the bus on the go. Want to place your order for the same today? Contact First Tech Tracking System - one of the best School Bus Tracking System Manufacturers in Kolkata, West Bengal. It's an innovative solution, designed to benefit the end-users and available in different customizations. We are also the best School Bus Tracking System Service Provider that you can rely on.

S-R500



- Qualcomm 8909, 1.2Ghz, Quad Core Processor
- Android 6.0 OS
- 160*70*24mm Dimension
- 3.7V, 4000mAh Battery
- Networks: FDD-LTE: B1/B3, TDD-LTE: B38 / B39 / B40 / B41, WCDMA: B1/B2/B5, CDMA2000: BC0
- TD-SCDMA: B34/B39, GSM: 850/900/1800/1900
- BT4.0 LE Bluetooth
- Mini-USB 5pin
- 8mp Rear Camera
- WiFi: IEEE802.11 b/g/n
- GPS Supported, 10m
- UHF RFID Supported
- Barcode Scanner: 1D/2D(QR code) Barcode

S-RF4000



- Qualcomm 8909, 1.2Ghz, Quad Core Processor
- Android 6.0 OS
- 156.8*79.5*22.2mm Dimension
- 3.7V, 3000mAh Battery
- Networks: FDD-LTE: B1/B3, TDD-LTE: B38/B39/B40/B41
- WCDMA: B1/B2/B5, CDMA2000: BC0, TD-SCDMA: B34/B39
- GSM: 850/900/1800/1900
- Bluetooth: BT4.0 LE
- Mini-USB 10pin
- Front 2mp, rear 8mp Camera
- WiFi: IEEE802.11 b/g/n
- GPS Supported, 10m
- Contact IC Card (optional) ISO 7816-3
- Contactless IC Card (optional) ISO/IEC 14443A, ISO/IEC 14443B, ISO15693
- UHF RFID (optional) 0~2m, ISO 18000-6C
- Barcode Scanner (Optional) 1D/2D(QR code) barcode
- Fingerprint Sensor (Optional) Authentec, 508dpi
- Printer (Optional) 58mm thermal

Remove Watermark Now

HANDHELD RFID READER



S-RF7000



- Qualcomm 8909, 1.2Ghz, Quad Core Processor
- Android 6.0 OS
- 220*132*26.5mm Dimension
- 3.7V, 8200mAh Battery
- Networks: FDD-LTE: B1/B3, TDD-LTE: B38/B39/B40/B41
- WCDMA: B1/B2/B5, CDMA2000: BC0, TD-SCDMA: B34/B39
- GSM: 850/900/1800/1900
- Bluetooth: BT4.0 LE
- Mini-USB 10pin
- Rear 8mp Camera
- WiFi: IEEE802.11 b/g/n
- GPS Supported, 10m
- Contactless IC Card (optional): ISO/IEC 14443A, ISO/IEC 14443B, ISO15693
- UHF RFID (optional): 0~7m, ISO 18000-6C
- Barcode Scanner (Optional) 1D/2D(QR code) barcode
- Fingerprint Sensor (Optional) Authentec, 508dpi

S-RF5000



- Qualcomm 8909, 1.2Ghz, Quad Core Processor
- Display: 12.7cm (5) HD LCD, Capacitive Touch Screen
- Android 6.0 OS
- 156.8*79.5*22.2mm Dimension
- Memory: 1GB RAM, 8GB ROM
- Networks: FDD-LTE: B1/B3, TDD-LTE: B38/B39/B40/B41, WCDMA: B1/B2, CDMA2000: BC0, TD-SCDMA: B34/B39, GSM/GPRS2000: 850/900/1800/1900
- GPS: Integrated, 10m
- Bluetooth: BT4.0 LE
- Front 2.0MP, Rear 8.0MP, Auto Focus with Flash Camera
- WiFi: IEEE802.11 b/g/n
- GPS Supported, 10m
- Extension Storage: T-Flash/Micro SD Card, up to 32GB
- PSAM: 1 slot
- Battery: 3.7V, 3000mAh
- Ruggedness: IP65, waterproof, dustproof, shockproof
- Reliability: MTBF no less than 10000 hours



S-RF7800

- Qualcomm 8909, 1.2Ghz, Quad Core Processor
- Android 6.0 OS
- 220*132*23mm Dimension
- Internal Memory: 1GB RAM, 8GB ROM
- DC 3.7V, 8200mAh Battery
- 3G/4G: FDD-LTE: B1/B3, TDD-LTE: B38/B39/B40/B41, WCDMA: B1/B2, CDMA2000: BC0, TD-SCDMA: B34/B39, GSM: 850/900/1800/1900
- Mini-USB 10pin
- Rear 8.0M, LED, auto focus Camera
- Network Interface: Integrated WLAN 802.11 b/g, integrated BT 4.0LE
- GPS: Supported, 10m

- UART & RS232: Supported
- Waterproof/Dustproof: IP67
- Shockproof: 1.0M falling
- Barcode Supported (1D): GS1-128, ISBT 128, Code 39, Trioptic Code 39, Code 32, Code 93, Code 11, Interleaved 2of5, Discrete 2of5, Codabar, MSI, Chinese 2of5, Matrix 2of5, Inverse 1D, Korean 3of5, GS1 DataBar, Composite Codes, PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse, Maxicode
- Barcode Supported (2D): QR Code, Micro QR, QR Inverse, Aztec, Aztec Inverse, US Postnet, US Planet, US Postal, Japan Postal, Australian Postal, Netherlands KIX Code, USPS 4CB/One Code/Intelligent Mail, UPU FICS Postal
- RFID: HF RFID 13.56Mhz, ISO/IEC 14443 A, ISO/IEC 14443 B, ISO 15693, UHF RFID 915Mhz, ISO18000-6C, 0~8m

Remove Watermark Now

RFID



REDMI 120 PRO
AI TRIPLE CAMERA



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Scout + GPS Tracker

SLIM GPS TRACKER

Scout+ VTS

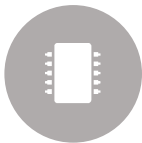
Slim GPS Tracker



2G GSM



GLONASS + GPS



Auto Firmware Update



Bluetooth Debugging



SSL Support



HTTP/HTTPS Support



On Field Remote Diagnostic



OTA Configuration



Offline Data Storage



Internal Accurate Odometer



Power LoadDump Protection



Accelerometer



JSON Support for easy
cloud integration



ScoutPlus is one of the most advanced tracking system with slim formfactor and packed with performance. Scout+ is equipped with advanced GNSS technology which utilizes both GPS and GLONASS to provide maximum accuracy (position accuracy of <2.5m). It also has an accelerometer for motion detection and precise odometer calculation.

Scout+ has inbuilt GSM and GPS antenna which are precision designed for high gain, so no more long wires, and mounting issues. Basic features of scout include digital output for Immobilizer, analog input for sensors and digital inputs for Ignition and door sensors.

Scout+ is the first device in Indian market which sends data to server securely using SSL and support JSON for easiest integration.

APPLICATIONS



Logistics, Food
Trucks, Cold
Chain, Cash
Vans



Vehicle
Tracking for
Personal Use



Taxi and Fleet
Management,
Tourist Vehicles

SPECIFICATIONS¹

Remove Watermark Now

GSM SPECIFICATIONS

Quad-Band	850/900/1800/1900MHz
GPRS Multi-Slot Class	Class 12 (85.6 Kbps ↑↓)
GPRS Mobile Station	Class B
Output Power	2W @ 850/900MHz 1W @ 1800/1900MHz

GNSS (GPS/GLONASS/QZSS) FEATURES

GPS L1 Band Receiver	1575.42MHz Tracking: 33 (Channels) Acquisition: 99 (Channels)
GLONASS L1 Band Receiver	1601.71MHz
Position Accuracy	<2.5m
Velocity Accuracy	<0.1m/s
Acceleration Accuracy	<0.1m/s ²
TTTF	Cold Start: <35s Warm Start: <30s Hot Start: <1s
Sensitivity	Acquisition: -149dBm Tracking: -167dBm

HARDWARE FEATURES

Chipset	ARM9EJS @ 260MHz
Memory	4MB (ROM) / 4MB (RAM)
Bluetooth	3.0 (EDR)
LED Indicators	GPS (RED), Network GSM/Data Transfer (Blue)
Antenna	Built-in GSM and GPS
Battery²	150 mAh/3.7V Li-Po
Analog Input	1 (0 to 50VDC)
Digital Input³ / Output	3 / 1
Operating Temperature	-20°C ~ 65°C
Operating Humidity	5% ~ 95%
Dimensions (mm)	85(L)*47(W)*17.5(H)
Weight	92g

SOFTWARE FEATURES

Operating System	RTOS
Protocols	TCP, HTTP, HTTPS
Data Format	CSV, JSON (SiWi Protocol) Binary (Concox Compatible)
Data Security	Secure Sockets Layer (SSL), Header Based Authentication
Storage¹	50,000 Data Packets
Configuration	SMS, TCP, WEB, BT Console
Alerts	GPS First Fix, Overspeed, Ignition, Power Transit, Box Tampering, Digital Input Change, Harsh Break/Acceleration, Immobilizer Status, GPS Status, Firmware Update
GPS Info Provided	Latitude, Longitude, GPS Fix, Speed, Satellites in View, Altitude, Direction, Odometer (software)
Firmware Update	Auto, Manual

ELECTRICAL SPECIFICATIONS

Operating Voltage	7 – 45V DC with Load Dump Protection up-to 125 VDC
Current Consumption @12V	60mA in Standby 98mA while Sending Data
Digital Input Range	0 to 28 Volt DC
Analog Input Range	0 to 28 Volt DC
Immobilizer Relay	12v and 24 volt both Built-in Driver

¹ Product specification may change without prior notification

² Battery capacity can increase limited to enclosure formfactor and with additional cost

³ Extra input available with FTTS Protocol only



RFID READERS HF



DESKTOP RFID READER

pdfelement



USB RFID HF READER

HF RFID READER

Optimum Read Range	2 – 4 cm
Operating Frequency	13.56 MHz

COMMUNICATIONS

Bluetooth®	Version 2.1 Class 2 Bluetooth Profiles (?): Serial Port Profile (SPP) or Human Interface Device (HID)
Wireless Range	10m
Operating Frequency	2.4 GHz – 2.48 GHz
USB 2.0	USB 2.0 Standard Port

STORAGE

RFID Tag Capacity	1000 Tag IDs
-------------------	--------------

ELECTRICAL

Battery	Rechargeable 3.6v Lithium Ion 550mAh
Battery Life	8 hour average*
USB Charge	USB 2.0 Standard Port

PLATFORMS

Mobile	WM 5, WM 6, Win 8, iOS, Android
Desktop	Windows XP, Windows Vista, Win 7

PHYSICAL

Dimensions	137mm x 28mm x 21mm
Weight	60g

ENVIRONMENT

Operating Temperature	-20 deg C to 40 deg C
Storage Temperature	-20 deg C to 50 deg C

RFID R/W 54mm x 85mm Rectangle Tag



This RFID Read/Write transponder tag is part of the EM Microelectronic-Marin SA EM4x50 family and is designed to work with our **RFID Read/Write Module, Serial (#28440)**. Each tag contains a unique, read-only serial number (one of 2^{32} , or 4,294,967,296 possible combinations) and 116 bytes of user data area stored in a non-volatile EEPROM (Electrically Erasable Read Only Memory). The user data area can be optionally secured with a 32-bit password to allow only authorized read and write operations.

These tags are not compatible with the RFID Card Reader (USB or Serial).

Not recommended for use in direct sunlight. Use **RFID R/W Round Tags** instead.

Features:

- EM Microelectronic-Marin SA EM4x50 family
- 125 kHz operating frequency
- Thin package
- Both sides are fully printable with offset, thermo-transfer and dye sublimation printing

Compatible with:

- RFID Card Reader/Writer (Serial)

Item code 28441





FIRST TECH TRACKING SYSTEM

MODEL
NO: GT
012

FTTS GPS TRACKER

pdfelement



Descriptions:

This Cutting-Edge GPS tracker is designed for advanced tracking/monitoring, especially for vehicle tracking using GPS, GSM and GPRS technology. The GPS tracker is designed for use in any vehicle to track it's location, such as cars, trucks, boats, motor homes, vans and construction machinery and many more - the live tracking possibilities are limitless! This is particularly useful if your vehicle, pets, child or your belongings have been stolen.

This High-Tech Realtime GPS Tracker Features:

LIVE! Real-Time tracking! Built-in GPS personal locator.

GSM/SMS communication or GPRS TCP/UDP connection. Multiple positioning modes: GPS + AGPS +LBS

Historical Data. Works Worldwide!

High sensitivity, new technology and latest GPS SiRF-Star III chipset!

Excellent for fixing exact position even with a weak signal.

Supports alarm and remote VOICE MONITORING!

Supports SOS buttons for 2 preset phone numbers.

Supports check location by SMS and Internet.

SOS button sends out exact location for immediate rescue/action.

Geo-fencing to restrict tracker movement to a defined radius..

Compact size, easy to carry, hold and hide.

Very Low power consumption. A charger is provided.

Not 1, but 2 3.7V 1000mAh Li-ion Re-Chargeable batteries included.

Extremely long standby time, up to 240 hours. Low power alert.

Fast Signal Acquisition. Needs no drivers, easy simple operation.

PORTABLE GPS TRACKER – S20

Free Installation, Long Standby Time

Main Functions:

- 6000mAh Long Battery Life
- Strong Magnetic Attachment
- Built-in MIC with Clear Voice
- Low Power Consumption



Portable gps tracker S20 is self-contained battery powered device and can be easily moved from vehicle to vehicle, placed in a package, or even used to monitor and track valuable assets.

PORTABLE GPS TRACKER – S20

S20 is a professional GPS tracker for transport & logistics industry, refrigerated cargo industry, container tracking, construction, valuable assets and criminal investigation. It integrates GSM, GPS and AGPS with IP65 water proof technique and strong magnet.

HIGHLIGHT



Geo-fence Setting



Remotely
Voice Monitoring



Long Standby Time



History Playback

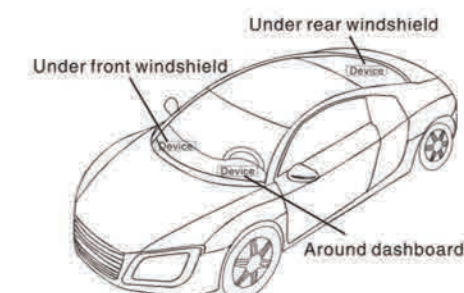
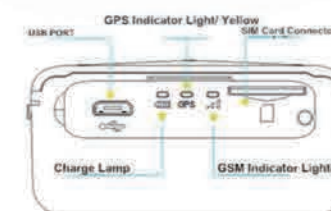


FUNCTIONS

- ◆ Global General GSM Quad Band Supported
- ◆ Real-time Tracking and Positioning
- ◆ 6000mAh Long Battery Life
- ◆ Built in MIC with Clear Voice
- ◆ Built-in 3D Acceleration Sensor
- ◆ Vibration Alarm, Cut-wire Alarm, Geo-fence Alarm
- ◆ Three Working Mode: SMS Command, Platform, APP

PARAMETERS

GPRS: Class 12/TCP/IP
 Working Voltage: 5V
 Back-up Battery: 6000mAh
 GPS Channel: 20
 Tracking Sensitivity: -160dBm
 Acquisition Sensitivity: -144dBm
 Working Temperature: -25°C +75°C
 Standby Time: 150 Days
 Location Accuracy: 10 m
 Antenna: Built-in Antenna
 Size: 80mm(L) x 50mm(W) x 32mm (H)
 Weight: 300g
 LED Indicators: Red(Power), Green(GSM), Blue(GPS)



Motor Bike GPS Tracking System is another innovative solution that helps to keep a tab on the movement and working of the motorbike, which minimizes their risk and chances of getting stolen. This two-wheeler tracking system can ease the journey and enhance safety. If you are planning to get it installed, contact First Tech Tracking System. Being one of the leading Motor Bike GPS Tracking System Manufacturers in Kolkata, West Bengal, we have the most advanced solutions available to suit your preferences and give customers value for money. Our name is noted among the top Motor Bike GPS Tracking System Service Provider.

GT300

GPS Personal Tracker



GPS+AGPS+LBS positioning

Allow the location to be pinpointed accurately and rapidly



Vibration and movement alert

Acquire instant alert when vehicle is vibrated or moved unexpectedly



Geo-fence alarm

Create geofences in circle or rectangle for key locations



Low battery & Shutdown notice

Receive notice when the device needs for charging



SOS call & Speed-dial

Thumb sized button allowing urgent call during an emergency case



Two-way communication

With MIC and speaker, it's easy to realize voice-monitor or two-way audio



Intelligent power management

Reduce inefficient power consumption when device stays idle



Tracked by: SMS, APP, Web

Report location in real time through different interfaces

Application



The senior



Helicopter



Personal tracking

GSM Specification

GSM frequency	850/900/1800/1900 MHz
GPRS	Class 12, TCP/IP
Memory	32+32Mb
Phase error	RMSPE<5,PPE<20
Max output	GSM850/GSM900:33±3dBm GSM1800/GSM1900:30±3dBm
Max frequency error	±0.1ppm

GPS Specification

GPS chipset	MTK high sensitivity chip
Frequency	L1, 1575.42MHz C/A code
GPS channel	66
Location accuracy	<10 meters
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTFF (open sky)	Avg. hot start ≤1sec Avg. cold start ≤32sec

Function & Package

Waterproof grade	IP65
Voice monitor range	≤5 meters
Button	2xSpeed dial, 1xSOS, 1xMODE, 1xPower On/Off
Working voltage/current	3.7VDC/50mA
Charger voltage/current	5VDC/1A
Operating temperature	-20℃~ 60℃
Battery	1100mAh/3.7V
Standby time	10 days (Deep sleep mode)
Working time	15 hours (GPS working mode)
Calling time	5.5 hours
Dimension	73.0(L)*45.0(W)*16.0(H)mm
Weight	54g

GPS TRACKER SPECIFICATION

1. WATERPROOF BODY(IP 65 COMPLIANCE)
2. MADE IN INDIA PRODUCT
3. CUSTOMIZABLE
4. BATTERY BACKUP 7 TO 10 DAYS
5. AUTOMATIC BATTERY MANAGEMENT
6. GPS RECEIVER CHANNEL 33
7. CHANNEL GPS TRACKING SENSITIVITY -167dBm
8. GLONASS
9. POSITION ACCURACY <2.5 m CEP
10. OFFLINE DATA 2,000.00
11. INTERNAL GSM/GPRS AND GPS ANTENNA
12. GSM BAND QUAD
13. GPRS CLASS 12
14. COMPACT SIZE
15. REMOTE DIAGNOSE
16. POWERFUL ARM 9 PROCESSOR
17. SOFTWARE UPDATE OTA
18. SOFTWARE MULTI TASKING
19. INSTANT PARKING SAFE
20. SERVER PROTOCOL TCP/JSON
21. BLUETOOTH
22. INTERNAL ACCURATE ODOMETER
23. PARAMETER SETTING OTA



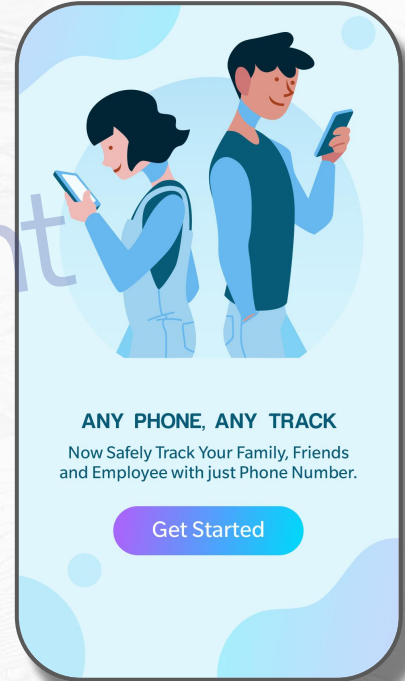


SIM BASED TRACKING

No internet connections are required.

Track using Cellular Technology

(Location is identified based on cell tower:lat-long)



ANY PHONE, ANY TRACK

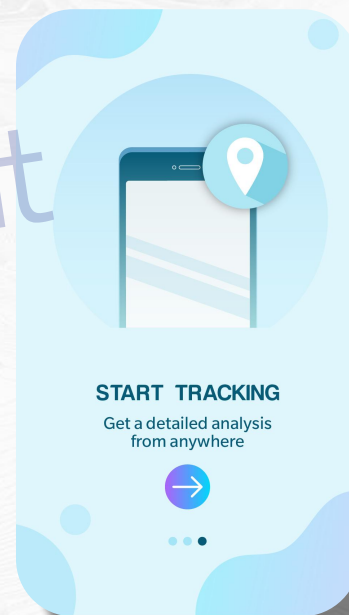
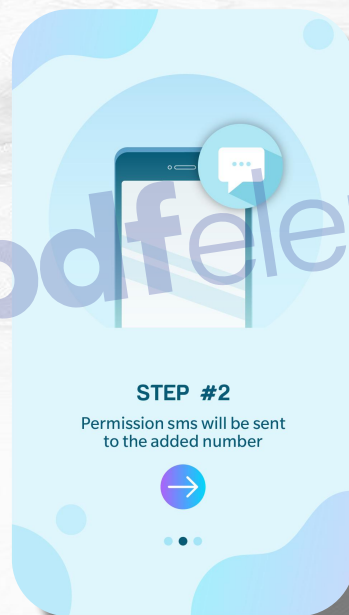
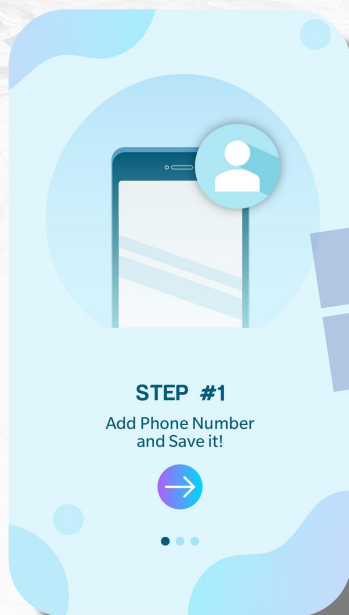
Now Safely Track Your Family, Friends
and Employee with just Phone Number.

Get Started



Simple Integration

[Remove Watermark Now](#)





Network Based Tracking

- Track any asset using any SIM card
- Tracking frequency – 15 minutes
- Track asset across India including roamers
- Accuracy – Urban:200m to 500m,
Rural:1km to 3km



Problems We Are Addressing :

[Remove Watermark Now](#)

We can not fit
GPS devices
in Market
Trucks

Our field force
is Outsourced
to third party
hence cannot
track them

Drivers
tamper all sort
of devices, we
need inclusive
model

I do not know
whether
patroller are
visiting
designated
places

I want to
optimize
movement of
vehicle and
people



Product:

[Remove Watermark Now](#)

Main Dashboard

- Simple Mapview
- Consolidated List View
- Individual wise Control

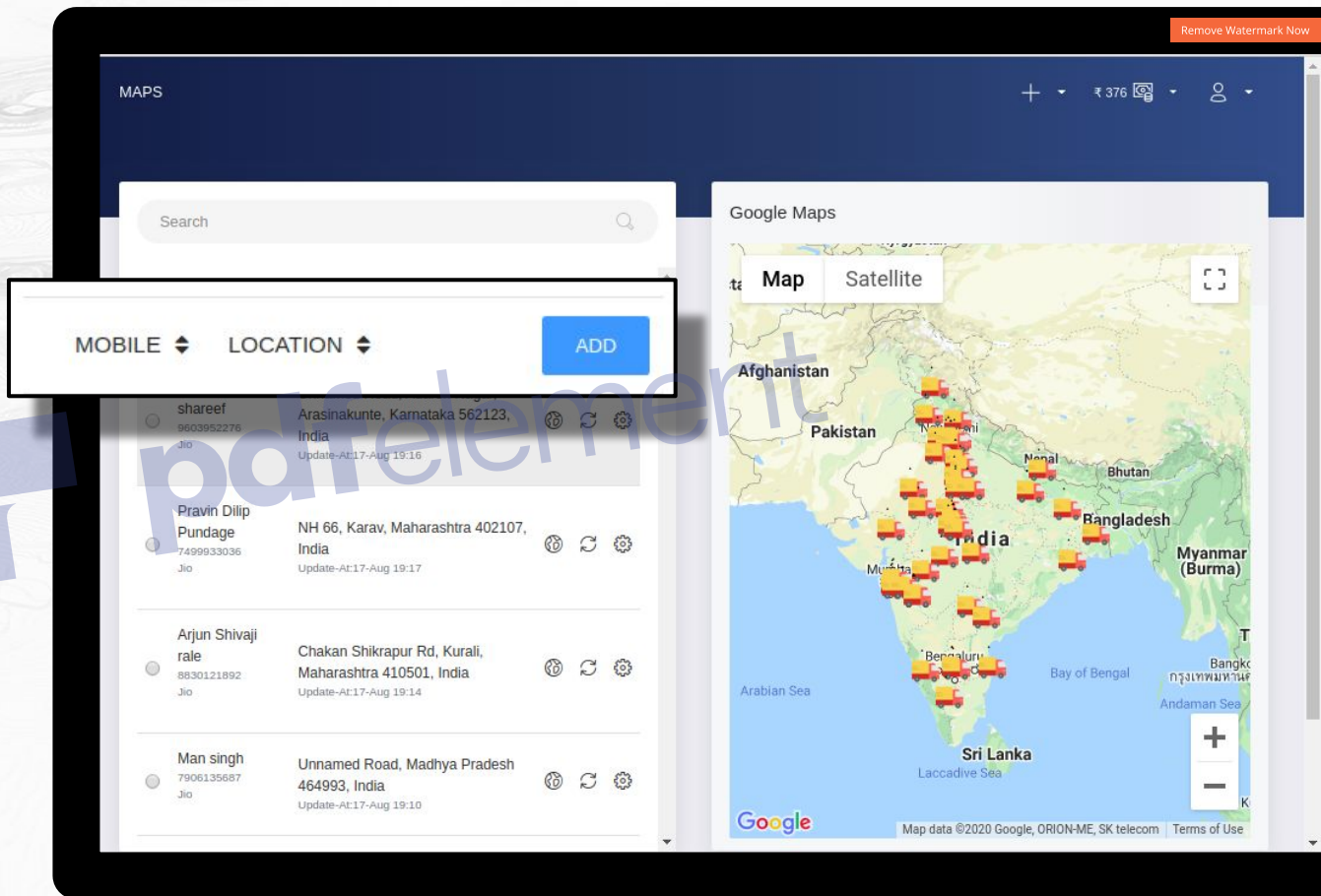




Product:

Main Dashboard

- Simple Add Phone Number Button
- Custom Filter





Product:

Add Number

- Minimalistic Form
- Control Individual wise ping rate

Remove Watermark Now

MAPS

Add Number

Instructions:

No. Steps

- 1 Add Valid Mobile of the provider - Airtel , Vodafone and Idea
- 2 Permission Message will be sent to that Number. User have to reply "Y" to that message
- 3 Refresh that mobile number in Map Views to start tracking.

User

mdeo

Name (Optional)

Mike

Vehicle Number (Optional)

UP99AT1234

Mobile Number

9876543210

LR Number (Optional)

Select Interval:

At This Interval Location Will Be Fetched

Stop













Save

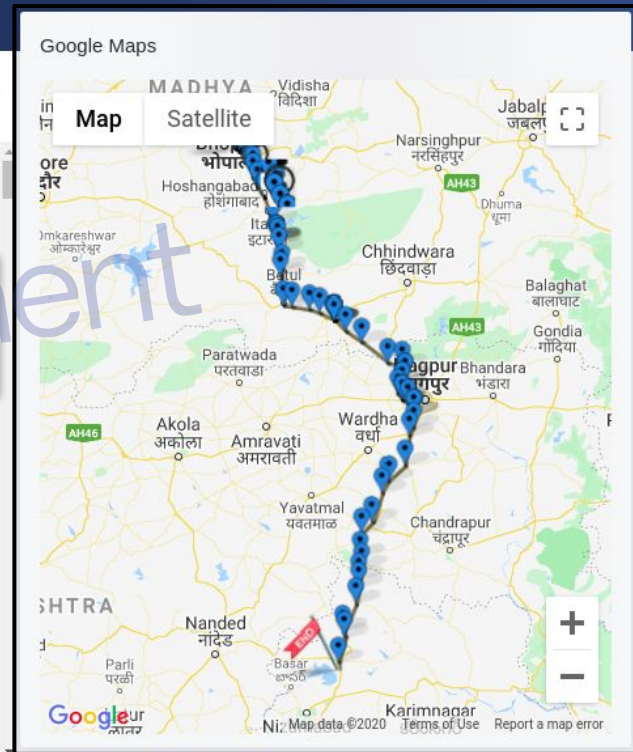


Product:

Main Dashboard

- Trailing History
- Real-time Refresh
- Individual wise Control

Pravin Dilip Pundage 7499933036 Jio	NH 66, Dolvi, Maharashtra 402107, India Update-At:14-Aug 19:04	  
Arjun Shivaji 8830121892 Jio	Unnamed Road, Koye, Maharashtra 410505, India Update-At:14-Aug 19:02	  
Man singh 7906135687 Jio	Mumbai - Agra National Hwy, Bilabawadi, Madhya Pradesh 473001, India Update-At:14-Aug 19:05	  
Nilesh Sahebrao Beldar 7972054632 Jio	Gandharv Vihar Rd, Dehu, Maharashtra, India Update-At:14-Aug 17:31	  



Remove Watermark Now



Product:

Trip View

- Minimalistic Trip Creation
- Auto MIS Reports
- Consolidated List View

Remove Watermark Now

Filter

MIS Report

ADD TRIP

Vehicle No.	Route	Created Started	ETA	Contact	Last Known Locations
MH56AT7845 AVG RUNNING	<ul style="list-style-type: none">Delhi, IndiaBhopal, Madhya Pradesh, India LR: 123	14-Aug 19:33 14-Aug 19:33	15-Aug 16:43/ 15-Aug 22:43	8770545048 Jio	Unnamed Road, Survey Colony, Industrial Development Area, Ramanthapur, Hyderabad, Telangana 500039, India 17-Aug 20:47 Close Trip
MH56AT7845 AVG RUNNING	<ul style="list-style-type: none">Delhi, IndiaBhopal, Madhya Pradesh, India LR: 123	14-Aug 19:33 14-Aug 19:33	15-Aug 16:43/ 15-Aug 22:43	8770545048 Jio	Unnamed Road, Survey Colony, Industrial Development Area, Ramanthapur, Hyderabad, Telangana 500039, India 17-Aug 20:47 Close Trip
MH56AT7845	<ul style="list-style-type: none">Delhi, India	14-Aug 19:33	15-Aug 16:43/ 15-Aug 22:43	8770545048	Unnamed Road, Survey Colony, Industrial Development Area, Ramanthapur, Hyderabad, Telangana 500039, India

ABOUT US

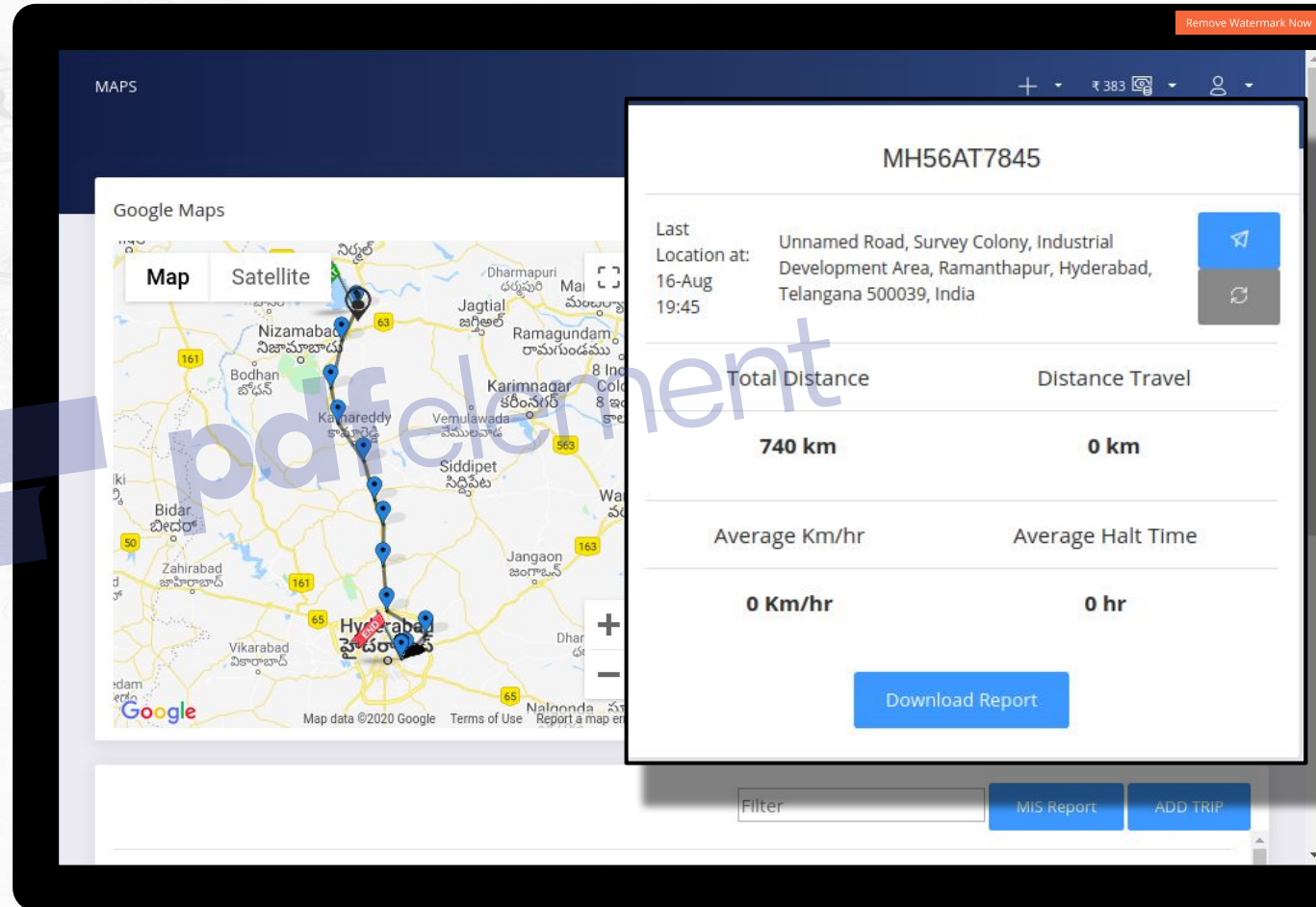
© 2020. Developed by [Sumo Labs](#)



Product:

Trip View

- Control View of Vehicle
- All types of Reports
- Enroute Analysis





Geofences

- SMS Alert
- Email Alert
- Daily MIS

Add Geofence:

Geofence ID

GEO_1004

Name (Optional)

square

Address

asdf

Manager Number/Email (Optional)

Alerts will be sent to this contact

21212

Tags/Group (Optional)

Geofence will be applied to this tags/group number

Choose tags ...

Employee/Phone Number (Optional)

Geofence will be applied to this Employee/Phone Number

Choose Employee ...

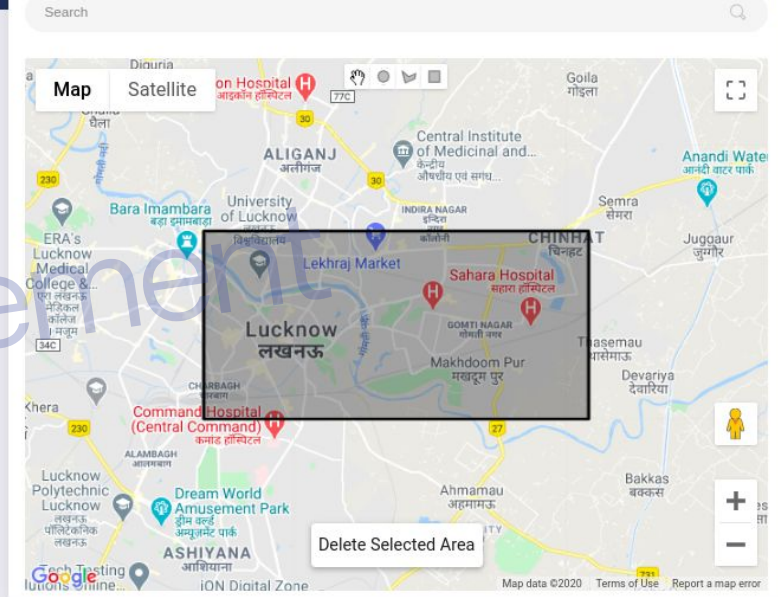
Preferred alert (Optional)

Choose alert ...



Save & add new

Save



Remove Watermark Now

Help

Privacy Terms



User Management

Remove Watermark Now

MAPS

+

-

30

📏

-

🕒

-

👤

-

Signo

mukesh

Nikhil

Manager

Edit Delete

Gagan

Admin

Edit Delete

ADD MANAGER

Name

Phone Number

Confirm Phone Number

Email

Role:

Access Will Be Provide Role Wise

Manager

Submit

Help

Privacy · Terms



Use Case – People Tracking – Financial Services

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- Insurance company's problem
 - Collection agents visit customer location in a given area and come back to office to submit documents. Manager gets a call from customer for collection of documents but manager does not know where is his agent who was supposed to visit customer and collect document.
- Proposed Solution
 - Track location of collection agent using Traqo
- Benefits
 - Increase operational efficiency
 - Increase end customer satisfaction with timely collection of documents
 - Reduce TCO



Use Case – People Tracking – FMCG

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- Cold Drink Bottler's problem
 - Sales executive go with vehicle carrying bottles. Many a times they do not visit designated area and come back covering only part of it which result in delayed sale and loss of revenue.
- Proposed Solution
 - Take consent of sales executive and start tracking location of sales executive using Traqo.
- Benefits
 - Increase operational efficiency
 - Increase end customer satisfaction with timely delivery of goods
 - Reduce TCO



Use Case – Vehicle Tracking – Logistics

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- Logistic company's problem
 - Vehicle are supposed to deliver consignment at multiple locations due to less than truck load (Capacity of Vehicle) of consignments. Many a times Vehicle does not visit customer and claim that customer was not at home which causes customer dissatisfaction.
- Proposed Solution
 - Track location of Vehicle/Driver with Traqo
- Benefits
 - Increase operational efficiency
 - Increase end customer satisfaction with timely distribution of goods



Patners

[Remove Watermark Now](#)





THANK YOU

firsttechtrackingsystem@
gmail.com +91-9883491744
,9933904862

www.ftts.in/ www.firsttechtrackingsystem.com



Remove Watermark Now



Scout VTS Series

ULTRA-SMALL GPS TRACKER

Scout VTS

Ultra-Small GPS Tracker



Quad-Band GSM



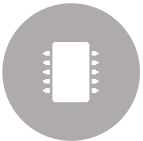
GLONASS + GPS



Bluetooth Debugging



Battery Backup



Auto Firmware Update



HTTP/HTTPS Support



SSL Secured



OTA Configuration



On Field Remote Diagnostic



Internal Odometer



Offline Data Storage



IP-65 Compliance



JSON Support for easy
cloud integration



Scout is one of the most advanced tracking system which is ultra-small in size and packed with performance. Scout is equipped with advanced GNSS technology which utilizes both GPS and GLONASS to provide maximum accuracy (position accuracy of <2.5m).

Scout has inbuilt GSM and GPS antenna which are precision designed for high gain, so no more long wires and mounting issues.

Basic features of scout include digital output for Immobilizer, analog input for sensors and digital inputs for Ignition and door sensors.

Scout is the first device in Indian market which sends data to server securely using SSL and support JSON for easiest integration.

APPLICATIONS



Logistics, Food
Trucks, Cold
Chain, Cash
Vans



Vehicle
Tracking for
Personal Use



Taxi and Fleet
Management,
Tourist Vehicles

FIRST TECH TRACKING SYSTEM

MUNICIPAL MARKET COMPLEX, ROOM NO.: -1C/57
SODEPUR, KOLKATA-700110

www.ftts.in

SPECIFICATIONS

GSM SPECIFICATIONS

Quad-Band	850/900/1800/1900MHz
GPRS Multi-Slot Class	Class 12 (85.6 Kbps ↑↓)
GPRS Mobile Station	Class B
Output Power	2W @ 850/900MHz 1W @ 1800/1900MHz

GNSS (GPS/GLONASS/QZSS) FEATURES

GPS L1 Band Receiver	1575.42MHz Tracking: 33 (Channels) Acquisition: 99 (Channels)
GLONASS L1 Band Receiver	1601.71MHz
Position Accuracy	<2.5m
Velocity Accuracy	<0.1m/s
Acceleration Accuracy	<0.1m/s ²
TTTF	Cold Start: <35s Warm Start: <30s Hot Start: <1s
Sensitivity	Acquisition: -149dBm Tracking: -167dBm Reacquisition: -161dBm

HARDWARE FEATURES

Chipset	ARM9EJS @ 260MHz
Memory	4MB (ROM) / 4MB (RAM)
Bluetooth¹	3.0 (EDR)
LED Indicators	GPS (RED), Network GSM/Data Transfer (Blue)
Antenna	Built-in GSM and GPS
Battery¹	500 mAh/3.7V Li-Po
Analog Input	1
Digital Input / Output	2 / 1
Operating Temperature	-20°C ~ 65°C
Operating Humidity	5% ~ 95%
Dimensions (mm)	40.0(L)*40.0(W)*25.0(H)
Weight	76g without battery 108g with battery

SOFTWARE FEATURES

Operating System	Multitasking RTOS
Protocols	TCP, HTTP, HTTPS
Data Format	CSV, JSON
Data Security	Secure Sockets Layer (SSL), Header Based Authentication
Storage¹	2000 Packets (1 Day approx. @1min interval)
Configuration	SMS, TCP, WEB, Bluetooth Console
Data Interval	15sec (min) Different configuration allowed for Ignition on and Off State.
Alerts	GPS First Fix, Overspeed, Ignition, Power Transit, Digital Input Change, Harsh Break/Acceleration, Immobilizer Status, GPS Status, Firmware Update
GPS Info Provided	Latitude, Longitude, GPS Fix, Speed, Satellites in View, Altitude, Direction, Odometer ¹ (software)
Firmware Update	Auto, Manual

ELECTRICAL SPECIFICATIONS

Operating Voltage	7 – 45V DC
Current Consumption @12V	60mA in Standby 98mA while Sending Data
Digital Input Range	0 to 28 Volt DC
Analog Input Range	0 to 28 Volt DC
Immobilizer Relay	12v and 24 volt both (External Driver required)

Laundry Automation

Logistics Management

Parking Management

LONG DISTANCE UHF Card Reader & Writer

Integrated Reader



S-OU200C, S-OU200L,
S-OU200C-RJ, S-OU200L-RJ

Long-Distance UHF Card Reader
12dbi antenna
optional with effect distance up to 15m*

*C - With Circular Antenna, L - With Linear Antenna,
RJ - With TCP/IP



S-1U100RS-RJ (With TCP/IP)

Connectivity through RS485
8dbi antenna
optional with effect distance up to 6m*

Self-intellectual property

Support ISO18000-6B, ISO18000-6C(EPC C1G2) protocol tag
902~928MHz frequency band(frequency customization optional)

FHSS or Fix Frequency transmission

RF output power up to 30dbm(adjustable)

Support auto-running, interactive and trigger-activating work mode

Low power dissipation with single +9 DC power supply

Support RS232, RS485, Wiegand interface

Provide DLL and Demonstration Software Source code to facilitate further development

UHF RFID Fixed Reader & Antenna



S-U4R

- Self-intellectual property
- Support ISO18000-6C(EPC C1G2), ISO18000-6B protocol tag
- 902~928MHz frequency band(frequency customization optional)
- FHSS or Fix Frequency transmission
- RF output power up to 30dbm(adjustable); 4 TNC antenna port
- Support auto-running, interactive and scanning work mode
- Low power dissipation with single +9 DC power supply
- Support RS232, RS485, TCPIP with other interface optional



S-U8D

8 dbi UHF RFID
Antenna

S-U12D

12dbi UHF RFID
Antenna

UHF Card Dispenser

UHF RFID Gate



USB Connectivity
S-CD20U



TCP/IP Connectivity
S-CD20RJ

S-UHF2000



UHF RFID Intelligent Antenna Multiplexer



S-RFID909

- Work frequency 860~960MHz
- Master and slave unit design
- All information exchange between master and slave go through RF cable and no extra communication cable needed
- Master with 1 RF input connecting reader and 8 RF output ports
- Slave with 1 RF input connecting master, 1 RF output for cascading and 8 RF output for antennae
- Support 4 level slave cascading
- Total 256 antennae supported
- Support RS232 and TCPIP interface

Windows Based Time & Attendance Software

Remove Watermark Now

Corporate Version

Employee attendance management and students attendance management is directly linked with their commitment to the work in any workplace. It takes a lot of efforts to manage manpower be it in the schools or in the offices. The solution helps the organization best manage their employees work time and use it to draw insights and helps the management to keep the stake holders happy and satisfied.

The solution focuses on the students and the teacher attendance as a strategic part of school management with the accuracy rate more than 99%. It completely eliminates the data entry errors and calculation by replacing manual preparation of attendance sheets and mechanical time cards.

Salient Features	Device Management	All Report	Utility
<ul style="list-style-type: none">•Multi Company Option•Multi Location / Department / Designation / Grade•Auto/Manual Download Punch from Machine/Pen Drive•Multi Leave Type•Group wise Master Configuration (e.g. Shift/Holiday/Leave/Category Rules/Attendance Rules/Deduction Rules)•Attendance Process with Salary Calculation	<ul style="list-style-type: none">•Multiple Device Option•Auto Download Punch from Machine•Device Administration<ul style="list-style-type: none">➢ Backup and Restore Fingers/Card Details➢ Upload Name into Machine➢ Set Device Time➢ Delete Punch and Finger/Card Details	<ul style="list-style-type: none">•All Reports are based on flexible Filtration (e.g. Company / Branch / Department /Grade / Designation / Shift Group / Shift / Employee•Each Report have some Selection Criteria as per Report Category	<ul style="list-style-type: none">•Import Employee Details from Excel/CSV File•Import Punches from text file•User Permission
Salary Report			
•Salary Slip	• Paid Salary Details	• Projected Salary Details	
Attendance Report			
<ul style="list-style-type: none">•Daily / Monthly Attendance Report•Absentees / Present / Late Arrival / Late Departure / Early Arrival / Early Departure•Employee wise Daily / Monthly Attendance•Attendance with Shift time/In Time/Out Time	<ul style="list-style-type: none">•Over Time Report•Muster Roll / Form No -25•Monthly Report with In/Out Time•Shift Scheduling Report•Monthly Performance Report		
Punch Report / Miscellaneous Report			
<ul style="list-style-type: none">•Multiple Punch Reports (e.g. Missed/Complete/All Punch)•Punch Details from Device / Manual	<ul style="list-style-type: none">•Date / Month / Period wise Punch•Leave/On-Duty Report•All Master Report		
Employee's Management		Add on Module	
<ul style="list-style-type: none">•Employee General Information•Family Background Details•Qualification/Experience Details	<ul style="list-style-type: none">•Employee self-service(Web-based application)<ul style="list-style-type: none">➢ View Personal, Leave and Attendance Details➢ Apply For Leave➢ View Payslip		
Time Management System		Leave / Holiday Group Management	
<ul style="list-style-type: none">•Manual Attendance•Download Attendance from Machine•Weekly Off Adjustment•Over Time Calculation•Shift Group/Shift/Shift Roster Management•Shift Scheduling•Leave/On-Duty Management•Holiday Management•Attendance Process with Salary Calculation	<ul style="list-style-type: none">•User Defined Leave Types•User Defined Holidays Configuration•Leave Application•Leave Balance Details•Yearly Leave Carry-forward		
Database Supported			
•SQL Express 2005		•SQL Server 2005 or Above	
•Oracle 11g			



Serial No: KS25 TT89
Key No: 1A12 1212 5089 5T45

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Email & SMS Service Supported (Optional)



Email & SMS Service Supported (Optional)

PAYROLL

Allowance/Deduction Configuration

Multiple Calculation Type (e.g. Monthly, Fixed, Hourly, Per day, Formula Based, Percentage Based)

User Defined Configurations

Slab master, Pay group, Bonus, Arrear, Gratuity, Reimbursement, Reimbursement Group, Professional Tax, PF, ESIC

Attendance Management

Employee wise punch, Date wise punch, Employee wise Attendance, Date wise attendance, Monthly attendance, Monthly attendance summary, Extra days management

Loan & Advance Management

Loan/Advance payment, rescheduling, Reports (Payment/Outstanding)

PF Reports

Multiple MIS Reports for Monthly, Annually, Forms, E>Returns, PF Challan

PT Reports

Multiple MIS Reports and PT Challan

Over Time configuration

Multiple Calculation Type (e.g. Basic, Pay Rate, Formula, Per Hour, Payable Rate (single, double etc)

Employee's Master

Multiple options for each employee's (e.g. Nominee, PF, ESI, Bonus, Over Time, KYC)

Leave Management

Automatic leave credit, Leave Encashment, Automatic apply leave after probation, Leave assign/ modify during working year

Salary Calculation and Reports

Salary calculation as per allowance/deduction/OT/Other statutory setup, Salary calculation on calendar month days or fixed days, MIS Salary reports including Pay Slip

ESIC Reports

Multiple MIS Reports for Monthly, Annually, Forms, E>Returns, ESI Challan



SCHOOL

Time & Attendance Software

Salient Features

- Multi Campus/College and Location Management
- Employee Management
- Student Management
- Parent/Guardian Management
- Subject Management
- Batch Management
- Class Management
- User Management
- Semester Management
- SMS alerts to Parent/Guardian

RFID/Biometric Management

- RFID Configuration
- Multiple Biometric Configuration
- Auto Download Punch from Biometric
- Auto Download Punch from RFID Reader
- Device Administration
- Backup and Restore of Biometric Data
- Upload Name Into Biometric Machine
- Set Biometric Device Time
- Delete Punch, Finger, Face, Card from Biometric

Employee's Management

- Employee/Faculty General Information
- Family Background Details
- Qualification/Experience Details
- User Defined Attendance Office Policy
- Auto Shift and Roster Management
- Leave and On-Duty Management
- Employee Salary Management

Student's Management

- Student General Information Management
- Student Group
- Parent/Guardian Management

User Management

- Unlimited User Management
- Role Management
- User wise Menu-option Access
- User Wise Data Access Permission

Time & Attendance Management Module

- Employee's Attendance
- Student's Attendance
- Manual Attendance
- SMS/Email to parent for Attendance In/Out
- Auto Shift and No Punch Option
- Download Attendance from Biometric
- Weekly Off Adjustment for Employees
- Shift Group/Shift/ Shift Scheduling

- Download Attendance from text file
- Shift Management
- Manage Leave for Employees
- Manage Holidays for Employee/Student
- User Defined Leave Types
- User Defined Holidays Configuration
- Leave Balance Details
- Yearly Leave Carry-forward

Attendance Report

- Daily / Monthly Attendance Report for Student/Employees
- Absentees/Present/Late Arrival/Late Departure/Early Arrival/Early Departure
- Employee wise Daily / Monthly Attendance
- Att. with Shift time/In Time/Out Time
- Leave / On-Duty / Over Time Report
- Muster Roll / Form -25 / Form -12

- Monthly Report with In/Out Time
- Shift Scheduling Report
- Monthly Performance Report
- Time Loss and Over Stay Report
- Continuous Absenteeism, Late Arrival, Early Departure Report
- Left / Joining Employee Report

Salary Report

- Salary Slip
- Paid Salary Details
- Projected Salary Details

Utility

- Email-SMS Log Detail
- Import Student Detail
- Import Employee Detail
- Flexible Data Export (Excel, Pdf, Text, Word)

Punch Report

- Multiple Punch Reports (e.g. Missed/Complete/All Punch)
- Punch Detail Device / Manual Date / Period / Month wise Punch

Miscellaneous Report

- All Master Report
- Memo / Graph / Percentage Report
- Employee with Image Report

Database Supported

- Sql Express 2008 or above, Sql Server 2008 or Above



CAMPUS

Time & Attendance Software



COACHING INSTITUTE

Time & Attendance Software



Now manage your in-field and office employees centrally through web browser
from anywhere across the world

INSTALLATION IN 3 SIMPLE STEPS



CREATE ACCOUNT



IMPORT EMPLOYEE DATA



ENROL FINGER IN MACHINE

DONE! NOW ACCESS FROM ANYWHERE GLOBALLY.



Ontime Employee Manager

Keeping Managers in the Know and Employees on the Go

Ontime Employee Manager is an efficient and cost-effective way for business owners and managers to keep track of and manage their mobile workforce. It's faster and safer than text messaging and allows the worker to focus on the task at hand rather than spending valuable time calling HQ to check in and report. Allows employers to easily track and monitor their employees and sales reps by having them download a simple Android or Apple app on their smart phones.

Track Your Workforce with Smartphone Devices

- No need for employees to carry any separate device
- Compatible with iOS and Android Smartphone's

Self-explanatory Web Dashboard for Easy Administration

- Any Device, Any Where, Anytime 24/7
- Customized User Privileges
- Manage employee's all personal and work related information in single tab
- Manage/Track employee's Shift, Leaves and Holidays.
- Daily Visit reports of Sales team with remarks

The Cloud Advantage

- Access data in real-time from any computer with Internet access
- No need to install, maintain, or upgrade software
- Data is secured and stored for account lifetime
- Manage multiple locations without networking computers or servers

Client Management

- Integration with ERP
- Customer and contact database
- Access partner database on mobile app from anywhere

Robust Reporting

- Real-time reports for performance evaluation of Sales Team
- Printed Reports and Spreadsheets
- Access Online Any Time
- Sort by Employee, Department

Background Location Tracking

- Works in the background for both iOS and Android phones.
- Employee's only needs to log in on ONtime Employee Manager

Expense Tracking & Mileage Reports

- Online Expense Entry
- See daily / weekly / monthly miles driven by your employees.
- Compare mileage reports to submitted expense reports.
- Automated expense tracking and quick review for approve and reject
- Automated and manual convenience tracking with quick review for approve and reject

Leave Management

- Online Leave Sanction system
- Manager and Approver for leave, ON-Duty

Assign roles and manage permissions

- add another employee, account manager or owner
- We give you fine-grained permissions so you can specify exactly what your employees can and cannot do.

Simple and Powerful Tracking Portal

- Easily know where your employees are at the touch of a button
- Provides simple access to your employees' locations

Compendious Attendance Solution (Onsite/In-Office)

- Onsite attendance with picture, date, time and location of sales person
- Biometric attendance for Office staff with finger and log management
- Centralized attendance reports

GPS Tracking & Live Monitoring throughout the day

- No more guessing; Where & what sales team is doing
- Monitor real-time movement of sales team on Google map for location
- Real-time tracking of juniors

Sales Order Processing

- Employee can enter order detail with model and quantity in his mobile app
- Product with description and ERP Code for accurate billing
- Client based Orders history reports

Employee Self Service

- Employees can Plan, Manage, Optimize, View and Review their work
- Sales call planning and preparation
- Plan and schedule meetings in advance for coming days
- Schedule future tour plans
- Recurrence - Day, Week, Month

Receive Geo-fencing Alerts via Email and Text Message

- Set Geo-zone around your important locations and get notified.
- Know when an employee has arrived or left a preset location (Office/Major Clients/ Assigned Markets)

Customized Alerts

- At Log-In and Log-Out
- No-Show alerts
- Location Discrepancies

Monitor Overtime

- See a running tally of accrued overtime and get alerts whenever an employee is nearing their maximum so that you can schedule accordingly.



SALES & FIELD EMPLOYEE

- Manage Client list
- Employee self service
- Sales order processing
- Live Tracking of personal
- Personal Meetings and review
- Create geofence area for employee
- Manage console for the team leader
- Manage all personal Cloud attendance
- Manager and Approver for leave, ON-Duty
- Manage your multiple Company and Branches
- Biometric device finger and log management
- Manage/Track personal Shift, Leave, overtime and Holidays
- Meeting tracking and quickly review for approve and reject
- Automated conveyance calculation using travelled GPS log data
- Manage all personal and job related information in single tab
- Manage all personal mobile attendance with current location address
- Automated expense tracking and quickly review for approve and reject
- Automated artificial intelligence reporting system in attendance, Meeting and order
- Automated and manual convenience tracking with quickly review for approve and reject



LOGISTIC FIELD EMPLOYEE

- POD Status update
- Reduced paperwork
- Consignment Booking
- Billing to Customer
- Daily Load Movement
- Rate and Contract Master
- Live Tracking of personal
- Out for delivery notification
- Manage console for the Manager
- complaint tracking and feedback
- Tracking and monitoring packages
- Easy to analyze Performance Reports
- Manage all personal Cloud attendance
- Manage your multiple Company and customer
- Mobile app for user, employee and customer
- Live alerts and notifications for packages
- Online packet tracking and booking option for Customer
- Manage/Track personal Shift, Leave, overtime and Holidays
- Manage all personal mobile attendance with current location address
- Day booking and Sales close (Own Branch / Franchise / Credit / Cash)
- auto alert for field boy to pickup the packet from nearest location



SERVICE FIELD EMPLOYEE

- Live Tracking of personal
- Service Ticket Management
- Automate technicians workload
- Manage all personal Cloud attendance
- Manage your multiple Company, customer
- Schedule booking at most convenient time
- Manage customer service request in realtime
- Manage console for the Manager and supervisor
- Repairs (New repair, Outsource, Repair inventory)
- Schedule service work to Field technicians in realtime
- Manage/Track personal Shift, Leave, overtime and Holidays
- Track repair tasks, turnaround, time, labour, parts and cost
- Manage Leads, Quotations AMC, Field Services, orders, inventory
- Manage all personal mobile attendance with current location address
- AMC (New AMC, AMC renewal, Periodical invoicing, Periodical Services, Asset under AMC)
- Field services (New service, Assign services, manage schedules, Update schedule, Issue parts, Outsource services, Customer login)



PAYMENT COLLECTION

- Manage all personal Cloud attendance
- Manage your multiple Company, customer and service
- Manage/Track personal Shift, Leave, overtime and Holidays
- Live Tracking of personal, Manage console for the Manager
- Manage all personal mobile attendance with current location address
- Easy monitoring the payment, Paid / Outstanding list, No Loss of Date
- Easy Billing Receipt, Payment collection list, Customer Complete ledger accounts
- After updating a payment Customer receives SMS / Email for every payment they make to you
- Customer wise previous outstanding and current month bill with late payment charges applicable
- View Dashboard details like counts of collections, complaints, customers payment and total due ,etc.



CONTRACT LABOUR

- Mobile based reports
- Complete Solution On Cloud
- Multiple report as client Need
- Complete Time Management Module
- Handle multiple companies with multiple Labour
- Contractor Self Service Screen for data updating
- Web Based and Android Based Responsive Application
- Automatic calculations of working days and over time hours
- Time and Attendance System for Contractor Labour Management
- Admin Login/ Team Leader Login / user Login / Employee Login
- Maintain Records of All labour of Every Group in back end over Cloud
- In/ out attendance through various means like Biometric, finger Scanner, IRIS
- Provide Facility to Edit, Update and Delete information of labour, Company, Unit and Department



GUARD PATROL

- Sos Button
- Manage Visitor
- Real-Time Alerts
- Incident Reporting
- Check Point Scanning
- Daily Activity Reports
- Live Tracking of personal
- Track assets and materials
- Manage all personal Cloud attendance
- Alert message for skipped check point
- Manage your multiple Company, customer
- Manage console for the Manager and supervisor
- Manage/Track personal Shift, Leave, overtime and Holidays
- Manage all personal mobile attendance with current location address

EAS EM SOLUTION



EM Passage Gate

S-ES003

Unit Dimension: 1520*440*32mm

Working Voltage: AC:220V±20%50Hz

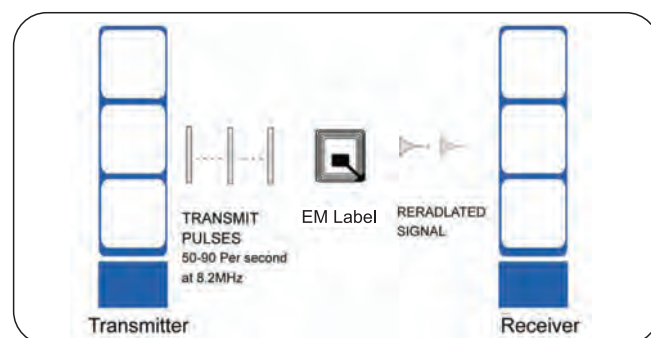
Working Environment: -10°C ~ 60°C

Material: Advanced-Resin-Glass

Detection Height: 170cm

Detection Width: 80cm

Detection magnetic stripe: 5cm(minimum)



EM Book Label

S-EL004

- Size: 12cm or 16cm
- Material: Cobalt-Based
- Characteristic: Double Side Adhesive
- Deactivable/Non-Deactivable



CD / DVD Label

S-EL008

- Diameter: 11.4cm
- Iron-based / cobalt-based
- Single side Permanent non-setting adhesive / compound magnetic strip
- Magnetizable / non-magnetizable

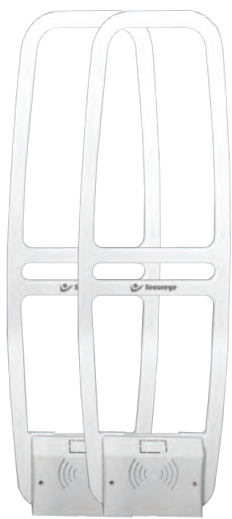


Activator & Deactivator

S-ED004

- Unit Dimension: 34*22*9cm
- Working Voltage: 110V-240V
- Detection Height: ≤2cm
- Deactivation Height: ≤5cm

EAS AM SOLUTION



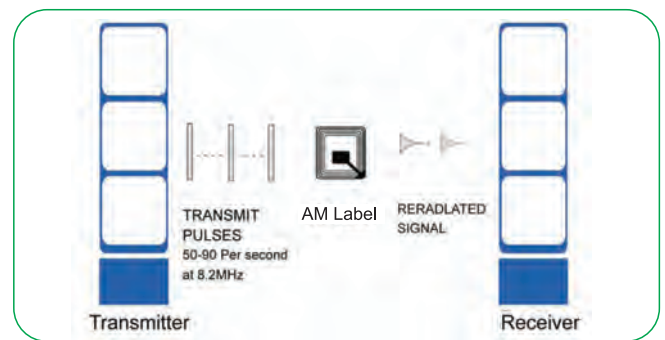
S-AS7001

Frequency: 58 KHZ

Material: ABS

Detection Distance: DR Label: 0.6 ~ 1.2m, Hard Tag: 1.4 ~ 2.4m

Unit Dimension: 147x45x12cm



JEWELLERY TAG



S-HT10J Jewellery Tag

- Frequency: 8.2MHz/58KHz
- Unit Dimension: 37*22*9 mm
- Plastic Color: Grey or White
- Lock: N/A

hard
TAG

S-ST20J Jewellery Label White

- Frequency: 8.2MHz(±3%)
- Cardboard Core Diameter Inner: 76.2mm
- Detection Distance: 0.6-0.9m(1.97-2.95ft)

soft
TAG



[Remove Watermark Now](#)

Mobile Tracker For Field Staff

POWERED BY THE FTTS

An ISO 9001 2008 Certified Company

pdfelement



Are you asking your field employee to come to the Office everyday "Just" to punch-in your attendance machine ?



If Yes, then....

- On an average we waste 8 productive hours every week by calling employee to the office – just to punch in the attendance register. 8 productive hours means one full day wasted every week. And that's 5 working days every month. And you pay for those days to your employee.
- Why waste time - Instead send them directly to the customer's site or field visit.
- But the real question is “what about attendance” and starting job on time ?

We have the solution for that. Introducing
“Mobile Attendance system”

Mobile Attendance System

- Just ask your employee to download our “My Company” mobile attendance app on their smart phone.
- Simply ask your employee to login and logout every day on the mobile app.
- Employee can record every visits, add details of visit, and even take pictures at the site. At the end of the day, employee can send visit reports to the management via email or Whatsapp.

Mobile Tracker - Features



Team On Single Management Login

All employee attendance on Mobile

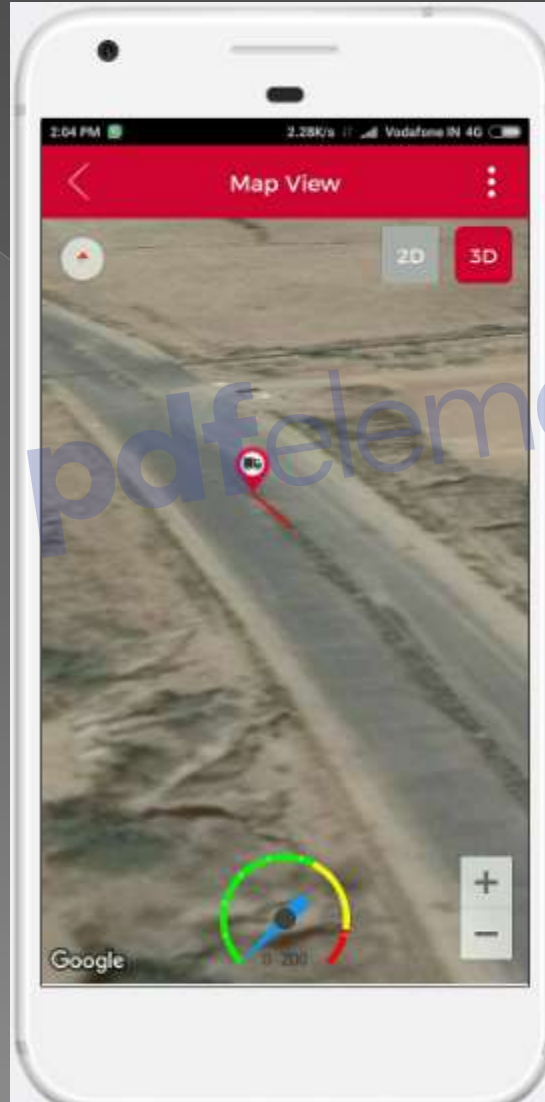
All employee location on mobile

All employee visits reports on mobile

All employee mobile Battery status

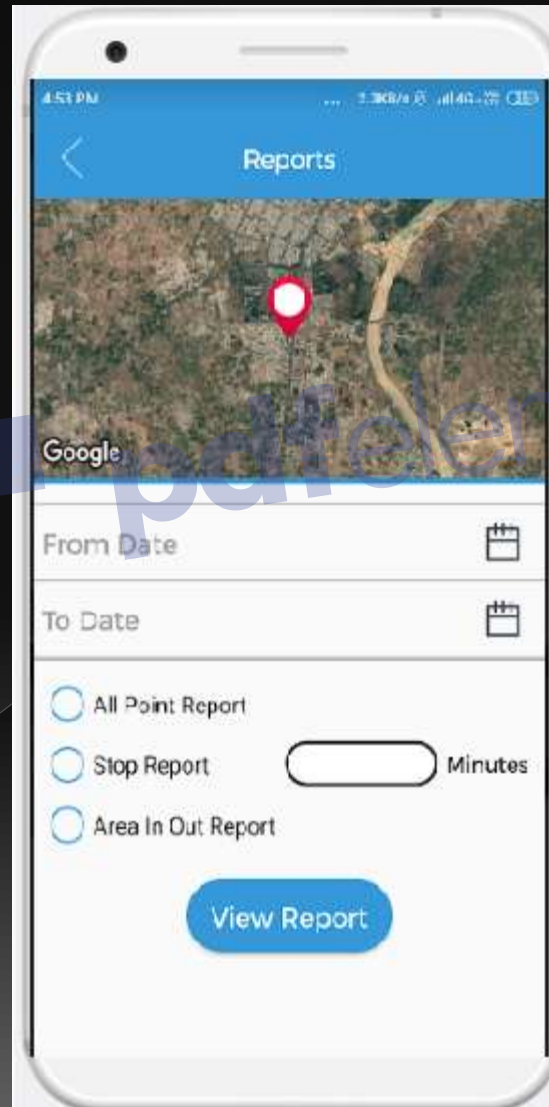
Direct Click To Call Option

Location On 3D – 360 Map





Various Info & Reports



Location on Map

Tap to Call Employee

Visit Reports



Record Visits & Share Visits Report

Add Visit

Date: 02-Jul-2019 16:07

Contact Name: Mr Tripathi

Company Name: ABC company

Phone: 9909911898

Address: B-11 Swagat rainforest 2, Urjanagar 1, Kudasan, Gujarat 382421, India

Description: Very interested

Prospective: Finished

Images: [Browse](#)

[Add Visit](#)



Your Field Employee
Can record field visits

Record details and
take pictures

Share daily visit reports
to the management.

Benefits

- ◉ Make your working environment smarter.
- ◉ Track your employees productivity more professional way.
- ◉ Save time and money by strong tracking and daily reporting system.

Thank You

FIRST TECH TRACKING SYSTEM



Asset Management

Tech Smart provides complete, customizable asset tracking solutions designed to improve the tracking of critical assets and inventory within a company using various RFID and real-time tracking technologies. A complete solution, which includes a web-based software, a mobile application, barcode scanners, barcode labels, RFID Readers and Tags. These ingredients provide the means to locate physical objects, collect data on its usage and whereabouts, and report on all activity. Tech Smart offers itself as a one-stop-shop for all your asset tracking needs. Tech Smart offers itself as a one-stop-shop for all your asset tracking needs. Automate your organization's asset management for improved checkin/ check-out processes, faster auditing, and error-free reporting.

What Can You Track?

- Laptops, Smartphone's, tablets
- Fixtures and installations
- Hardware & machinery
- Delivery Receipts
- Computer accessories
- Medical Documents
- Vehicles
- Financial Records
-
- Construction tools
- Legal documents and contracts
- Medical Equipment
- Licenses and forms
- Work/Labour hours
- Patients
- Project Duration at site locations
- Employees
- AND MANY MORE.....!!