



# AIS140 IRNSS

## Vehicle GPS Tracker



### Wide Operating Voltage

Comes with a wide operating voltage of input range from 9V to 60V



### 90 Days Data Backup

With 90 days data backup user can check all past reports and playback in ease



### Water Resistant Design

Device comes with a water resistance casing design to prevent water entering the device



### Multiple Reports

Many useful reports like distance traveled, ignition ON/OFF, Stoppage report, etc. are provided



### 70+ Software Features

With over 70+ software features provides a best GPS tracking platform



### Vehicle Stop / Start

With immobilization feature vehicle can be stopped and start remotely



### Web and Mobile Platform

Web and mobile platform are available for user convenience



### Multi Language Support

Support for multiple languages commonly spoken across the nation



### Multiple Alerts

Supports multiple alerts like Ignition ON/OFF, Overspeed, Device Unplug, Movement, etc.



### Geo-Fencing

Get instant alerts when vehicle enters or exits a specified boundary

## GSM Specification

GSM frequency	850/900/1800/1900 MHz
GPRS	Class12, TCP/ IP
Memory	32+32Mb
Output power	Class 4 (2W)@850/900MHz
GSM Indicator	Yellow LED
Network protocol	Embedded TCP/IP stack

## GPS Specification

GPS chipset	MC60CAR01A01 (IRNSS)
Channels	66
Sensitivity	-159dBm
Location accuracy	<10m
Accuracy	5m CEP
Cold start	<40s (Open Sky)
Hot start	<5s(Open Sky)

## Other Details

Input Voltage	9-60V
Battery	2500mAh/3.7V & 5000mAh/3.7V
Digital input	Ignition detect
Digital output	Relay
GSM antenna	Internal High Gain
SIM	Embedded SIM
Indicator	3 status LEDs, Blue: GPS, Red: Power, Yellow: GSM
Operating temperature	-25°C ~ 80°C
GPS antenna	Built-in high gain antenna

## Device Images



## Application



School Bus



Public Transport



Logistics Tracking



Container Tracking



Travels



Taxi

# Certificate Sample 1



## INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY [A Division of NATRiP Implementation Society (NATIS), Govt. of India]

Innovation • Service • Excellence

### TYPE APPROVAL CERTIFICATE

(For compliance to AIS-140\*)

Non-Transferable

TAC/ Reference No.

C K 8 0 2 2

Date: 30.03.2019

1.0	Customer's Name and Address	M/s Sensel Telematics Pvt. Ltd 113/1B, 3rd Floor, B Block, SRIT House, ITPL Main Road, Kundanahalli, Bangalore-560037, Karnataka, INDIA			
2.0	Customer's Application Letter Reference	IOCS Regn No: CCTNSTPLNNEEG64705 Dated : 13-Dec-2018			
3.0	Manufacturing/Assembly Plant Address(s)	M/s Sensel Telematics Pvt. Ltd 113/1B, 3rd Floor, B Block, SRIT House, ITPL Main Road, Kundanahalli, Bangalore-560037, Karnataka, INDIA			
4.0	Description of the Test Component(s)	<b>1.Vehicle Location Tracking Device</b> Model Name VTX 10C Part No VTX 10C Drawing No. STPL-BB_001,STPL-TB-002 GSM/GPRS Make/Module GL865_QUAD V3 GNSS/GPS Make/Module Quectel L80 Accelerometer & Gyroscope Make/Module STMicroelectronics LSM6DS3 Voltage System 12V & 24V E-Sim Make/ Service Providers Sensorise/ Idea & BSNL Firmware/Software Version 2.0000/2.0000 <b>2.Emergency Button</b> Model Name VTX10C Part No SNSL-PB3 Drawing No. STPL-PB-01, STPL-PB-02			
5.0	Applicable Notified Standard	AIS:140 as amended up to December 2018			
6.0	Test Report considered for TAC	CTOGO0057 dated 29.03.2019,			
7.0	EMC Test Report no.	CDOMO0061 dated 12.01.2019			
8.0	Type of Quality Management System (QMS)	S. No.	Type of QMS	Certifying Agency	Certificate no. Validity up to
		1	ISO 9001:2015	TUV SUD	As per ramp up plan submitted by customer
9.0	Approval	<input checked="" type="checkbox"/> Approved Granted/Not Granted/Extended			

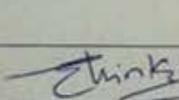
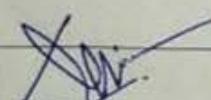
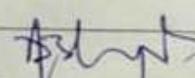
Note: The first COP of the component mentioned in Sr. No.4.0 above would be due from the date of start of commercial production of the component and shall be completed before 31<sup>st</sup> March 2019.

\*: Vide Sr. No. 1 of Annexure of Notification S.O. 5453(E) Dated 25.10.2018

Authorized Signatories				
MADHUSUDAN JOSHI Deputy General Manager	PAMELA TIKKU Sr. General Manager		DINESH TYAGI Director	Page 1 of 2 + Drwg. (4 Nos.) [64705]

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 (An ISO 9001, ISO 14001 and OHSAS 18001 certified, scope wise NABL accredited and BIS recognised Test House)

## Certificate Sample 2

 <b>ARAI</b> <small>Progress through Research</small>		<b>The Automotive Research Association of India</b> <small>(Research Institute of the Automotive Industry with Ministry of Heavy Industries &amp; Public Enterprises, Govt. of India)</small>	
<b>TYPE APPROVAL TEST REPORT</b>			
Report No. ARAI/AED/CT/SO-1819-3000002732/637		<b>CONFIDENTIAL</b>	
Dated: 23-Aug-2018			
1.0	<b>Name and Address of the Customer</b>	Roadpoint Ltd E243, East of Kailish, New Delhi-110065	
2.0	<b>Customer Letter Reference</b>	Email Date: 29-May-2018	
3.0	<b>Test Objective</b>	<b>Component Level Type Approval:</b> Testing of Intelligent Transport Systems (ITS) as per AIS 140: 2016 , amendment 1 (11 <sup>th</sup> December 2017) notified vide G.S.R. 1095 (E) dated 28 Nov 2016 and notified vide S.O 1663 (E) dated 18 April 2018.	
4.0	<b>Description of the Device Under Test (DUT)</b>	DUT Name	Vehicle Tracking Device with Emergency Button
4.1	<b>Vehicle Tracking Device</b>	Model Name	GAGAN-01
		Model No	GAGAN-01
		Hardware Version	1.0
		Software Version	1.0.0
		GPS chip Make and Model	MC60 Quectel
		GSM chip Make and Model	MC60 Quectel
		Embedded SIM Make	Tata Communication Ltd
		Service Providers	Idea, Airtel
		3 axis accelerometer and 3 axis gyroscope Make & Model	MPU6050, TDK
4.2	<b>Emergency Button</b>	Part No.	NOPOW
4.3	<b>GPS Antenna</b>	Internal Patch Antenna	
<p>*Note: This report of vehicle Tracking Device is for GPS constellation. However as per AIS 140:2016 Amendment 1, it is mandatory to provide support for IRNSS from 1<sup>st</sup> Oct 2018. Hence, this certificate is valid for interim period as per AIS 140:2016 guidelines as amended from time to time.</p>			
 <b>P S SHINKAR</b> Dy. MANAGER		 <b>M M DESAI</b> Dy. GENERAL MANAGER	
		 <b>A R DESHPANDE</b> Dy. DIRECTOR & HoD	
<small>An ISO 9001, ISO 14001, DHSAS 18001 Certified and ISO/IEC 17025 Accredited Organization</small>			
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		<small>ARAI Homologation &amp; Technology Centre (ARAI-HTC), Chakan ARAI Forging Industry Division (ARAI-FID), Chakan</small>	

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