FMS Trace 2000

FMS™ TECH
FLEET MANAGEMENT SYSTEMS & TECHNOLOGIES

The Trace 2K device was designed for heavy fleet applications featuring high accuracy tracking device and waterproof, IP67 rating making it suitable for harsh weather and environments. It is equipped with Global Navigation Satellite System (GNSS) which supports both GPS and GLONASS and 4G GSM modem in order to provide accurate reporting and faster connectivity and instant notification. Through these systems the user can have notifications sent quickly to cloud server or mobile device.

Optional expansions include supporting both WiFi and wireless 2.4 GHz Zigbee. Additionally, the device has RFID to allow for secure driver access; and an external ignition relay to permit the manager to remotely disable the vehicle at any time. As with all of the FMS TECH. products, this device can easily be customized according to the application's specific needs and requirements.

KEY FEATURES

- LTE, 4G, 3G, & GSM technology to enable quality usage worldwide
- RFID built in for driver access control and security device
- Ingress Protection (IP) rating of IP67 for usage in extreme climates and environments
- Four inputs for sensor and accessory connections and readings
- Accident Sensor compatible for advanced protection and performance

- Internal GNSS antenna for a more durable device
- External ignition relay for vehicle immobilization capabilities
- Proximity sensor is an additional add-on to increase safety and reduce accidents
- Live online tracking for continuous and accurate updates on vehicle location and telematics

APPLICABLE INDUSTRIES

| Oil & Gas | Public Bus Transport | Security & Customs | Municipality | Car Rental | Construction | Transport & Distribution | Waste Management | Taxi & Limousine | Education | Car Insurance | Smart City |

PRODUCT CODE: FMS-05112-000

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GNSS

GPS/GLONASS	Yes
Satellite Channels	22 SAT / 66 CH
Tracking Sensitivity	-165 dBm
Satellite Acquiring time	
- GPS Hot Start	< 6 sec
- GPS Cold Start	< 30 sec
GNSS Antenna	Internal
Speed (GPS/Gearbox)	GPS / CAN Bus Interface

GSM

Data Connectivity	GPRS Multi-slot Class 12
Network	LTE/4G/3G/ 2G
TCP/IP	Yes
TLS	SSL V3, TLS 1.0, TLS 1.1, TLS 1.2
Voice Support	No
GSM Antenna	Internal

I/O INTERFACE

Total Inputs	4 + 5 (Optional)
Digital/Analog	3 + 5
Frequency	0
Ignition	1
Total Outputs	3

COMMUNICATION INTERFACE

CAN Bus	Thru CAN Bus Interface
RS232	No
RS485	Yes
WiFi	Optional
Zigbee 2.4GHz	Optional

DRIVER ACCESS CONTROL

Technology	RFID
RFID Frequency	13.56 MHz
RFID Card	HID / TI / MIFARE

IMMOBILIZATION

Ignition Relay	External

INBUILT HARDWARE

Internal Battery	Optional
Internal Memory	4 MB
Internal Buzzer	Yes

POWER SUPPLY

Input Supply	12 V / 24 V
Power Consumption (12 V)	
- Active mode	170 mA
- Sleep mode	90 mA
Power Spike Protection	50 V

ENCLOSURE

IP Rating	IP67
Status Indicators	4 LEDs (GSM, GPS, WL & Power)
Dimensions	140 x 74 x 45 mm
Weight	550 gms

OPTIONAL FMS ACCESSORIES

E-Lock	Yes
Fuel Sensor	Yes
Accident Sensor	Yes
Proximity Sensor	Yes
LEO Satellite	No
CAN Bus Interface	Yes
Hub	Yes
In-Cab Camera	No
Panic Button	Yes
Mic & Speaker	No
Bluetooth Headset	No

FEATURES

Live Online Tracking	Yes
Historical Tracking	Yes
Geo-fencing	Yes
Buzzer Alarm	Yes
Remote Immobilization	Yes
Upgradable Hardware	Yes
Number of Events	>100
Events Configuration	Unlimited
Harsh Braking	Yes
Harsh Acceleration	Yes
Vibration (Graded road)	Yes
Movement Detection	Yes
Trailer ID	No
Driver Fatigue	No
MP3 Voice Alert	Yes
Reports generation	Yes
Number of Reports	60+
Supply from Electric Lighter connection	Optional

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