



FMS Portable Trace 2K



The FMS Portable Trace 2K is the modified and simpler version of the existing FMS Trace 2k product however the FMS Portable Trace 2K features GPS and GPRS and 4 digital inputs only. The FMS Portable Trace 2K DOES NOT come with RFID, Driver Access Card, Zigbee wireless, Buzzer, or Ignition Relay.

The new FMS Portable Trace 2K was designed and packaged to meet the low end market which requires simple vehicle tracking solution at reduced and affordable price.

FOR WHO?



CUSTOMER BENEFITS

- Superior internal antennas for both GSM and GPS eliminate the need for wired antennas and make the FMS Portable Trace 2K mountable virtually anywhere in the vehicle for easy, inexpensive installation.
- Information are transported across the GSM/GPRS network using enhanced TCP/IP packets providing a reliable communications link between the device and your application servers or ours.
- The FMS Portable Trace 2K was designed to dramatically reduce cost, power, and size, while significantly improve device reliability in the field.
- Fleet owners can monitor their drivers unsafe driving habits, review trip information, driving performance, time attendance, and schedule for download at specific time anytime and virtually from anywhere, just an internet connection..
- The FMS Portable Trace 2K employs the FMS Tech. latest onboard device configuration and settings. All settings and device configurations including hardware or software settings for all events thresholds, tolerance, etc., seamlessly with minimal efforts; just an internet connection.

KEY FEATURES

- High performance integrated SiRF GPS and embedded antenna
- GPRS modem and high performance embedded antenna
- Online and offline tracking
- 3 Digital/Analogue inputs and Ignition
- 4 Led status indicators
- Waterproof and weatherized IP 66 plastic enclosure
- Harness and power connection cable
- Initial setting and configuration : RS232
- Remote configuration and setting after initial setting : GPRS
- Power connection : direct with vehicle battery
- Recommended fitting location : under the vehicle dashboard and closest to bottom of the dashboard with no metal obstacles on top
- Easy Installation
- Requires minimal or no maintenance
- Recommended for selling as bundled solution with monthly subscription services (no software deployment on customer server)

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FEATURES & FUNCTIONS

Satellite GPS Receiver	GPS
Data Network Modem	2G
GSM Technology	Dual-Band
Voice Support	No
GPS Antenna	Int.
GSM Antenna	Int.
GPS Hot Start	<6 sec
GPS Cold Start (Open Sky)	<30 sec
No. of Satellite Channels	22 SAT/66 CH
TCP/IP	Yes
No. of inputs	4
Digital/Analogue	4
Frequency	0
Ignition Input	0
No. of outputs	2
RS 232	1
Zigbee 2.4 GHz Wireless	Optional
Wireless 2.4 GHz Function	Optional
Speed via GPS	Yes
Speed via Gearbox	No
Engine RPM	No
Driver Identification	Yes
Driver Identification Technology	RFID
Panic Button	Optional
Remote Immobilizer	Yes
Ignition Relay	Ext
Harsh Braking	No
Harsh Acceleration	No
Vibration (Graded Road)	Yes
Movement sensor	Yes
Harsh shock	Yes
Idle time	Yes
Online Tracking	Yes
Offline Tracking	Yes
No. of Events	100
Tolerance configuration	Yes
Buzzer Alarm	Yes
Internal Battery	Optional
Internal Battery Autonomy	1-5 Hours
Events Configuration	Limited
No. of reports	30+
Memory Size	4 MByte
Power Consumption @12VDC	200mA
Power Spike Protection	150V
Enclosure	IP66
Main Harness Cable	Yes
Additional Harness Cable	No
Cigarette Lighter Power Cable	Yes
Weight	220g

SUPPORTED FMS ACCESSORIES

e-Lock (Container Seal)	No
Trailer ID	No
Iridium Satellite Modem	No
MP3 Voice Alert	Yes
Voice Communication	No
Driver Fatigue	Yes
Tail Gating	Yes
In Cab Camera	No

GPRS SPECIFICATION

Frequency Quad band	GSM 850/EGSM 900/DCS
Brand & Model	1800/PCS 1900
Integrated Stacks	ZTE MG3006
Dual Communication	TCP/IP
Capability	GPRS and SMS
GPRS Packet	Up to 80 kbps
GPRS Antenna	Internal Built-in

GPS SPECIFICATION

Model	GR89
Protocol	Transmission data NMEA 0183
No. of channels	20
Tracking sensitivity	-159 dBm
Frequency	1575.42 MHz L1 C/A Code
Chipset	SiRF GSC3f/LP chipset with embedded ARM7TDMI CPU
Autonomous	<10 m at 2 DRMS
SBAS	<7m at 2DRM, WAAS corrected
DGPS	1-5m at DGPS corrected
GPS Hot start	1 sec. avg.
GPS Warm start	38 sec. avg.
GPS Cold start	42 sec. avg.

RECORDING FUNCTIONS

Speed via GPS	✓
Over speeding	✓
Not wearing seatbelt	✓
Exceeding thresholds	✓
Events value, time & duration	✓
Status of each input	✓
Input values, max & average	✓
Analog and digital sensors	✓
Remote configuration	✓
Remote firmware upgrade	✓
Online tracking	✓
Offline tracking	✓
Route & vehicle movement history	✓
Waterproof enclosure	✓



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