



PUI
Positioning Universal

FT5000

IN-CAB MOBILE TRACKER

The **FT5000** allows you to know precisely where your drivers and how fast they are travelling – all in real time. This advanced telematics tracker also gives you the information you need to stay on top of necessary maintenance, ensuring optimal efficiency for your fleet.

KEY FEATURES

- Motion Detection, High-Frequency Tracking and Curve Fitting
- Supports ELD Data Requirements
- Ignition Detection and Starter Disable
- Internal Antenna
- LTE global CAT M cellular network coverage
- Light Duty and Heavy Truck Vehicle Diagnostics (ISO-15765 and J1939)
- Data Logging
- Driver ID

MARKET APPLICATIONS

- **Leased and Rented Vehicle Recovery**
- **Fleet Management**
- **Heavy Trucks**
- **Light/Medium-Duty Vehicles**



SPECIFICATIONS

CASE

DIMENSIONS	151mm x 66mm x 25mm
WEIGHT	147g
HOUSING	Industrial-grade polycarbonate (PC) Ingress protection (IP): 4X

LOCATION

GPS (multi-constellation)
Assisted acquisition: 2s (via cloud)
Acquisition sensitivity: -160dBm (1*)
Tracking sensitivity: -162dBm (2*)

ENVIRONMENT

OPERATING TEMP	On vehicle power: -40°C to 70°C On battery power: -20°C to 60°C Charging: 0°C to 45°C
SHOCK AND VIBRATION	RoHS, Reach, SAEJ1455 [thermal shock (4*), humidity (5*), mechanical vibration, mechanical shock, electrostatic discharge]

POWER

POWER INPUT	6-48VDC
BATTERY	1.3Ah

INTERNAL SENSORS

6-axis IMU
System temperature
Battery level

CERTIFICATIONS

FCC, IC, CE, PTCRB, RCM

GLOBAL CELLULAR CONNECTIVITY

CAT M1	FDD B1/2/3/4/5/8/12/13/18/19/20/ 26/28; TDD B39
NB1	FDD B1/2/3/4/5/8/12/13/18/19/20/ 26/28
2G	GSM 850/900/1800/1900

LOCAL AREA CONNECTIVITY

BLE 5.0 (master, slave, LE data packet length)

USER INTERFACE

Multi-color LED, buzzer

SECURITY

Secure boot
TLS/SSL

EXTERNAL CONNECTORS

Power in (6-48VDC)
1-Wire technology (3*)
Digital input x4
Digital output x3
CAN 2.0B x1 (ISO-15765nor J1939)
RS-232
J1708

INTERNAL ANTENNAS

Cellular
GPS
Bluetooth

(1*)(2*) Based on GPS chipset specification

(3*) 1-Wire is a registered trademark of Maxim Integrated Products, Inc.

(4*)(5*) Inside operating temperature range

Specifications are subject to change. Please see your Positioning Universal contact for more details.