



**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

<b>DIMENSIONS</b>	151mm x 66mm x 25mm
<b>WEIGHT</b>	147g
<b>HOUSING</b>	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

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

### POWER

<b>POWER INPUT</b>	6-48VDC
<b>BATTERY</b>	1.3Ah

### INTERNAL SENSORS

6-axis IMU  
System temperature  
Battery level

### CERTIFICATIONS

FCC, IC, CE, PTCRB, RCM

### GLOBAL CELLULAR CONNECTIVITY

<b>CAT M1</b>	FDD B1/2/3/4/5/8/12/13/18/19/20/ 26/28; TDD B39
<b>2G</b>	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.