TELTONIKA

FM5300
GLONASS/GPS/GALILEO/GSM Terminal

FM5300 has:

- Multi system positioning engine
- Car tracking
- Parametrized operation (acquire & send)
- Integrated scenarios:
  - ECO driving (ratings of acceleration, breaking, cornering based on accelerometer)
  - Overspeeding
  - Authorized driving (50 iButton keys)
  - Immobilizer
- Online tracking
- Low energy consumtion in deep sleep mode

APPLICATIONS:

- **International logistics**
- **Personal car's and van tracking**
- **Road assistance**
- **Track and trace**
- **Fuel consumption metering**
- **Fleet management**

FM5300 is advanced terminal with GLONASS/GPS positioning and GSM connectivity, which is able to get device coordinates and other data and transfer them via GSM network. This device is perfectly suitable for applications where location acquirement of remote objects is needed. So you can track your remote objects (trucks, cars etc) quickly and easily.

In case of loosing connection FM5300 can store more than 16000 records, and once the connection is established the device will send stored data via GPRS. So you won't lose your data (coordinates, sensors data and ect.).

TECHNICAL DETAILS

GSM:
- Quad-band 900/1800 MHz; 850/1900 MHz
- GPRS class 10 (up to 85,6 kbps)
- SMS (text/data)

GPS GLONASS:
- NMEA-0183 protocol
- 32 channel receiver
- High sensitivity, not less then -160 dBm

Interface:
- 4 Digital Inputs for Status Monitoring
- 4 Analog inputs (switchable 10V or 30V range, 12 bit resolution)
- 4 Digital Open-collector Outputs (connecting external relays, LED, buzzers etc.)
- 1-Wire® interface protocol
- Power supply (+10...+30) V DC
- 2 Status LEDs
- USB Port
- 2x RS232 ports
- Configuration and firmware upload (OTA and via USB cable)
- External GSM antenna
- External GPS antenna
- Optional internal (or external) rechargeable battery with charge controller.
- Voice interface

Features:
- GPS/GLONASS coordinates and I/O data acquisition
- Real Time tracking
- Smart algorithm of data acquisition (time, distance, angle, ignition and event based)
- Sending acquired data via GPRS (TCP/IP and UDP/IP protocols)
- Smart algorithm of GPRS connections (GPRS traffic saving)
- Operating in roaming networks (preferred GSM providers list)
- Events on I/O detection and sending via GPRS or SMS.
- Scheduled 24 coordinates SMS sending
- Multi geofence zones (rectangular or circle)
- Deep Sleep mode (saving vehicle's accumulator)
- OTA (firmware updating via GPRS)
- Acceleromete
- Small and easy to mount case
- Roaming dependant operation (GPRS traffic saving in roaming zones)
- Acceleration detection (harsh breaking and accelerate measuring)
- Operation mode presets
  - Advanced overspeeding detection
  - Driver behavior monitoring (acceleration/breaking/cornering notification to minimize the vehicle exploitation costs)
  - Driver identification (1-Wire® iButton ID key)

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Teltonika reserves a right to modify the functionality of the device without any prior notice. Document version 1.04 (2011/07/28)