

VT1



VehicleTracker

UNIVERSAL GPS VEHICLE MONITORING UNIT
OPTIONALLY WITH BATTERY, RS232 OR CAN INTERFACE
AND REF SENSOR INTERFACE

USAGE AND CHARACTERISTICS

- » For tracking and monitoring of all types of vehicles
- » Tracking and monitoring at preselected time interval
- » Monitoring of temperature, humidity, quality of driving, tilting, air pressure
- » G-shock warning
- » Analogue input values and binary input state - on/off
- » Optionally back-up battery
- » Optionally RS232 / CAN bus / 2 additional inputs
- » Optionally RF sensor interface 2,4GHz
- » Compact design and dimensions



MEASURES AND TRANSMITS

- » GPS positioning
- » Speed and direction of movement
- » G-shock detection
- » Vibration histogram
- » Driver ID reading
- » Driver behavior evaluation
- » Temperature, Altitude
- » Tilting - bad tilt detection
- » Vehicle CAN values
- » RS232 - fuel level meter / tachograph reading
- » Battery voltage and status

TYPES AVAILABLE

| TYPE | WIRE INTERFACES | GSM | RF INTERFACES | BATTERY |
|------------|-----------------|---------|---------------|-----------|
| VT 110 210 | RS232, Dallas | 2G | - | - |
| VT 110 211 | RS232, Dallas | 2G | - | 3 400 mAh |
| VT 111 211 | RS232, Dallas | 2G | RF 5m | 3 400 mAh |
| VT 120 210 | CAN, Dallas | 2G | - | optional |
| VT 112 511 | RS232, Dallas | 2G + 4G | BT 5.0 | 3 400 mAh |
| VT 122 511 | CAN, Dallas | 2G + 4G | BT 5.0 | 3 400 mAh |

* various GNSS systems (Galileo, GLONASS, BeiDou etc.) available on demand for all types

ACCESSORIES

| | |
|------------|---|
| ED 002 002 | External GPS antenna with 2m cable |
| ED 030 100 | Over-voltage protection |
| ED 060 500 | Driver identification contact reader |
| ED 060 550 | Driver identification contact ID button |

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ACCESSORIES

| | |
|-------------------|---|
| ED 060 615 | Switch type of journey |
| ED 073 525 | Driver identification contactless card |
| ED 073 526 | Driver identification contactless button |
| ED 073 531 | Driver identification contactless reader |
| ED 079 000 | Fuel level meter ultrasonic |
| ED 079 010 | RS232/CAN - tachograph interface |
| ED 079 020 | CAN click - contactless CAN bus connection |
| ED 076 001 | RF ID Card 2,4 GHz - range 5 m |
| NS 101 000 | RF Card sensor 2,4 GHz - range 5 m (ID, temperature, air pressure, open/close) |
| MS 101 000 | RF MultiSensor - range 30m (ID,temperature, pressure, open/close, loading, humidity, vibrations, illumination) |

TECHNICAL PARAMETERS

| | | |
|----------------------------|-------------------------------|--|
| GSM | QuadBand 2G – 3G | 850/900/1800/1900 MHz – 850/900/1800/1900/2100 MHz |
| | SIM | Nano Sim, Plug -in 1.8 V |
| | Types of communication | Calling, SMS, GSM Data, GPRS |
| | Calls | Alarm call |
| | SMS | Alarm&Info SMS; SMS commands, requests, SMS configuration |
| | GPRS internet connectivity | Class 12/static & dynamic IP VPN, UDP protocol / 128bit security encryption key / FW upgrade, configuration settings, on-line value reading, report memory reading |
| GNSS | GPS/Glonass*/Galileo*/BeiDou* | 66 satellites |
| ANTENNAS | GPS, GSM | Internal, GPS connector for external antenna* |
| POWER SUPPLY | Voltage range | 8 - 30 V |
| | Consumption | Standby mode < 10mA @12V, max current peak 300mA @ 12V |
| | USB-C | Charging* / report memory reading / configuration / FW upgrade |
| | Analog IN 2x | Range 0-30V |
| | Binary IN 1x | Binary value (log0 = 0-4 V, Log1 = 5–30 V) |
| | One wire bus Dallas | Driver ID reader contact or contactless reader, temperature sensors, IN / OUT expanders |
| OUTPUTS | Binary OUT 2x | 200 mA / max 30V |
| INTERNAL SENSORS | 3 dimensions G sensor | Movement detection / tilt detection / G-shock detection |
| | Other sensors | Temperature |
| RF SENSOR EXTERNAL* | 2,4 GHz - range 5m | RF Card sensor - ID, temperature, air pressure, open/close |
| | BT 5.0 - range 30m | RF Multisensor - ID, temperature, air pressure, open/close, loading, humidity, vibrations, ambient light |
| INTERNAL MEMORY | Flash 512 kB | Capacity 5 000 events or GPS positions |
| DIMENSIONS | Plastic box | 50 x 90 x 20 mm, Pitch between holes - 61 mm, Hole Dia. - 4 mm |
| TEMPERATURE RANGE | If internal battery | -20 °C up to +70 °C |
| | Without battery | -25 °C up to +80 °C |
| WEIGHT | With batteries | 50 g |

* Optional



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