

VehicleTracker

VT 1

Universal GPS vehicle monitoring unit optionally with battery, RS232 or CAN interface and RF 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 or 433 Mhz
- Compact design and dimensions
- Waterproof and robust

Measures and transmits

- GPS position
- 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 NUMBER	WIRE INTERFACES	INPUTS	OUTPUTS	RF INTERFACE	GSM	EXT. GPS CONNECTOR / CABLE NOTE	BACK-UP BATTERY
VT 100 000	Dallas	2x analog, 1x binary	2x binary	No	2G + 3G	No / 10pin	No
VT 100 200	Dallas	2x analog, 1x binary	2x binary	No	2G	No / 10pin	No
VT 101 210	Dallas	2x analog, 3x binary	2x binary	2,4 GHz	2G	Yes / 10pin	No
VT 102 210	Dallas	2x analog, 3x binary	2x binary	430 MHz	2G	Yes / 10pin	No
VT 110 210	Dallas, RS232	2x analog, 1x binary	2x binary	No	2G	Yes / 10pin	No
VT 120 210	Dallas, CAN	2x analog, 1x binary	2x binary	No	2G	Yes / 10pin	No

Other types available on demand.

Accessories

External GPS antenna with 5m cable	Driver identification contactless reader	Rs232 - tachograph interface
Switch Type of journey	Driver identification contactless button	CAN click - contactless CAN bus connection
Over-voltage protection	Driver identification contactless card	Driver behaviour indicator
Cabin motion sensor ultrasonic	Power switch relay for engine cut	RF Card sensor 2,4 GHz - range 5 m (ID, temperature, air pressure, open/close)
Cabin motion sensor microwave	Fuel flow meter	
Driver identification contact reader	Fuel level meter bar	RF MultiSensor 433 MHz - range 30m (ID, temperature, pressure, open/close, loading, humidity, vibrations, illumination)
Driver identification contact ID button	Fuel level meter ultrasonic	

■ Technical parameters

GSM	QuadBand 2G – 3G	850/900/1800/1900 MHz – 850/900/1800/1900/2100 MHz
	SIM	Micro 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 and Glonass*	66 satellites
Antennas	GPS and GSM	internal, GPS connector for external antenna*
Back-up battery	Type and capacity	Lilon 200 mAh*
Power supply	Voltage range	8 - 30 V
	Consumption	Standby mode < 10mA @12V, max current peak 300mA @ 12V
Inputs	USB Micro	Charging* / report memory reading / configuration / FW upgrade
	Analog IN 2x	Range 0-30V
	Binary IN 1x/3x*	Binary value (log0 = 0-4 V, Log 1 = 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 dimensional 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
	433 MHz - range 30m	RF Multisensor - ID, temperature, air pressure, open/close, loading, humidity, vibrations, lighting
Internal memory	Flash 512 kB	Capacity 5000 events or GPS positions
Dimensions	Plastic box	50 x 90 x 20 mm
Temperature range	If internal battery	-25 °C up to +70 °C
	Without battery	-25 °C up to +80 °C
Protection class	Ip65 / IP68	Waterproof / Watertight
Weight	With batteries	50 g

* Optionally