

VT1



VehicleTracker

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
- » Optionally RF sensor interface 2,4GHz
- » Compact design and dimensions

MEASURES AND TRANSMITS

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



TYPES AVAILABLE

TYPE	INTERFACES	GSM	RF INTERFACE	BATTERY	INPUTS	OUTPUTS
VT 110 210	RS232, 1-Wire	2G	-	-	2x analog, 1x binary	2x binary
VT 110 211	1-Wire	2G	-	3 400 mAh	2x analog, 1x binary	2x binary
VT 110 215	1-Wire	2G	-	380 mAh	2x analog, 1x binary	2x binary
VT 111 211	RS232, 1-Wire, RF	2G	2,4 GHZ	3 400 mAh	2x analog, 3x binary	2x binary
VT 120 210	CAN, 1-Wire	2G	-	-	2x analog, 3x binary	2x binary
VT 120 211	CAN, 1-Wire	2G	-	3 400 mAh	2x analog, 3x binary	2x binary
VT 120 215	CAN, 1-Wire	2G	-	380 mAh	2x analog, 3x binary	2x binary

* 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
ED 060 614	Power switch relay for engine cut

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ACCESSORIES

ED 060 614	Power switch relay for engine cut
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 075 804	CAN bus converter

TECHNICAL PARAMETERS

GSM	QuadBand 2G – 3G	850/900/1800/1900 MHz
	SIM	Nano Sim, Plug-in 1.8 V
	Types of communication	Calling, SMS, 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
BACK-UP BATTERY*	Type and capacity	Li-Ion 400/3400*
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
INPUTS	Binary / Analog IN 2x	Range 0-30V
	Binary IN 1x	Binary IN 1x, by GND activated
OUTPUTS	Binary OUT 2x	200 mA / max 30V
INTERFACES	1-Wire (Dallas bus)	Driver ID reader contact or contactless reader, temperature sensors
	RS 232**	TTL, for CAN convertors, can be used as Wiegand bus
	CAN bus**	J1939, FMS, VW Group protocol
INTERNAL SENSORS	3 dimensions G sensor	Movement detection / tilt detection / G-shock detection
	Other sensors	Temperature, humidity, air pressure
RF SENSOR*	2,4 GHz - range 10m	RF Entrance card
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	With internal battery*	-25 °C up to +65 °C
	Without battery	-25 °C up to +80 °C
PROTECTION CLASS	IP40	Solid object greater than 1 mm
WEIGHT	Without battery	120 g

* Optional

** Depending on product type



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