

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 or 433 Mhz
- » Compact design and dimensions
- » Waterproof and robust

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	INPUTS	OUTPUTS	RF INTERFACE	GSM	EXT. GPS CONNECTOR/ CABLE NOTE
VT 100 000	Dallas	2x analog, 1x binary	2x binary	No	2G + 3G	Yes / 10pin
VT 100 200	Dallas	2x analog, 1x binary	2x binary	No	2G	Yes / 10pin
VT 101 210	Dallas	2x analog, 3x binary	2x binary	2,4 GHz	2G	Yes / 10pin
VT 102 210	Dallas	2x analog, 1x binary	2x binary	430 MHz	2G	Yes / 10pin
VT 110 201	Dallas	2x analog, 1x binary	2x binary	No	2G	Yes / 10pin
VT 120 210	Dallas	2x analog, 1x binary	2x binary	No	2G	Yes / 10pin

* Battery 3400 mAh optionally available 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 060 615	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 - tachograph interface
ED 079 020	CAN click - contactless CAN bus connection
ED 079 030	Driver behaviour indicator
NS 101 000	RF Card sensor 2,4 GHz - range 5 m (ID, temperature, air pressure, open/close)
MS 101 000	RF MultiSensor 433 MHz - 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 and Glonass *	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 Micro	Charging* / report memory reading / configuration / FW upgrade
	Analog IN 2x	Range 0-30V
	Binary IN 1x/3x*	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
	433 MHz - 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
TEMPERATURE RANGE	If internal battery	-20 °C up to +70 °C
	Without battery	-25 °C up to +80 °C
PROTECTION CLASS	IP65	Waterproof
WEIGHT	With batteries	50 g

* Optional



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