TTR3 Data Sheet

- Trailer monitoring
- Periodic data sending
- Thermo King support
- Low power consumption
- IP 66

PHYSICAL PROPERIES

Dimensions, mm	178 x 94 x 30
Connector	Soldered 9pin
Indication	1 LED
Housing	Plastic
	IP 65

PRODUCT FAMILY

- ◆ ECO4/ECO4+
- ◆ PRO4
- ◆ PRO3
- ◆ TCO4
- ◆ TCO3
- ◆ **TTR3**

CONTACTS

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Electrical specification

Power supply	10 - 32 V DC
Battery	Li-Po 3.7 V 7000 mAh
Power consumption	
Deep sleep mode	7 mA
Normal mode	500 mA
Protections	
Short circuit protection	
Reverse polarity protection	
Electrostatic discharge protection on USB	
Electrostatic discharge protection on 1-wire data	
Over-current protection on 1-Wire power	
Electrostatic discharge protection on sim card slot	

Telecommunication, Positioning

GPS\GLONASS module	Ublox NEO-6M
Internal	
50 channel	
Sensitivity	-161 dBm
Cold start	27 s
Aided start	<3 s
Reacquisition	1 s
GPS antenna	External
Frequency	1575.42 ± 3 MHz
GSM modem	SIM900 HD
Internal	
GSM850\GSM900\DCS1800\DCS1900	
GSM antenna	Internal
GSM850\GSM900\DCS1800\DCS1900	
Movement sensor	Internal

I\O Characteristics

2 x DIN	Digital inputs
Threshold	4 V
1 x DOUT	Digital outputs
Max output	Open collector 32 V, 1 A max
Input range	0 - 30 V
1 - Wire	1-Wire peripherals
Output current	80 mA
1 x RS232	TX, RX
USB	Configuration interface

Environmental data, reliability, certification

Storage temperature	-40 - +65
Operating temperature	-35 - +55
When operating from battery	-20 - +40

Essential requirements	Confirmed standarts
Safety R&TTE, Article 3.1(a)	EN 60950 1:2006+A11:2009
EMC R&TTE, Article 3.1(b) Radio Spectrum	EN 301 489-1 V1.6.1 EN 301 489-7 V1.3.1 EN 301 511 (v9.0.2)
R&TTE, Article 3.2 Environmental testing. Part 2-64. Tests – Test Fh: Vibration, broadband random and guidance (IEC 60068-2-64:2008)	LST EN 60068-2-64:2008