



Global Data Transmitter Multiple

Transmit sensor data, remote, safe & worldwide

- Always a complete data set
- Smart while efficient
- 6 ports for sensors (e+ loggers and/or Divers and/or SDI-12 sensors)
- Secure data transmission
- GPRS, LTE or SDI-12 version
- Internal barometric and temperature sensor



Technical data

Mechanical specifications

Specification	Dimensions
Enclosure (LxWxH)	160 x 160 x 60 mm
Enclosure with M12-sensor connector and antenna connector (LxWxH)	Depending on connector type 250 x 160 x 110, 140 or 190 mm
Weight	
Global Data Transmitter (incl. battery pack)	approx. 1200 g
Materials	
Enclosure	ABS
Mounting brackets	Stainless steel

Electrical specifications

Item	Specification
Battery pack (internal)	7.2 V
Power supply (external)	DC 5.5 - 18 V
Life time of the battery pack	> 3 years (at a 1 hour interval)
Maximum rated power usage	4.2 W (800 mA)
Modem time accuracy	better than 1 minute/day

Connections

Messaging	Specification
Message mode	web portal, e-mail, SMS alarm, other
Data encryption	AES
GSM	Quad band type (850, 900, 1800, 1900 MHz)
LTE Cat-M1	LTE frequency bands (B1, B2, B3, B4, B8, B12, B13, B20, B28)
SIM card	Vodafone NL M2M *
Antenna connector	SMB connector
Sensor port	4-pin male connector (with possibility to connect a 5-pole contra connector), A-coded
External power connector	4-pin female connector, A-coded
USB port **	mini USB buccaneer type B receptacle

* SIM card exchangeable by the user. The functionality of SIM cards other than Vodafone M2M is guaranteed only after the functionality tests are fulfilled by Royal Eijkelkamp. Therefore it is advised to use tested SIM cards only.

** For service purposes only

Integrated barometer sensor	Specification
Barometer measuring range	10 ... 1200 mbar *
Resolution	0.01 mbar
Accuracy barometer	± 2 mbar (at 300 ... 1100 mbar, 0 ...50 °C)
Temperature measuring range	-40 ... +85 °C
Resolution	0.01 °C
Accuracy temperature	± 0.8 °C (at 25 °C) ± 2.0 °C (0 ... 50 °C)

* 1 mbar is approximately 1 cmH₂O

Antenna *	Specification
GSM	Quad band type (850, 900, 1800, 1900 MHz)
LTE	LTE frequency bands (B1, B2, B3, B4, B8, B12, B13, B20, B28)
Connector	Bulgin buccaneer SMB (RG-174 coaxial cable)
Ingress Protection	IP67 or better

* Other antenna types are available on request

Sensor ports	Specification
Number of sensor ports	6
Port 1 - 6	sensor (e+ logger or Diver) via sensor cable
In case of the GDT-M SDI-12	Port 1-4 SDI-12 sensors via sensor cable; Port 5-6 e+ and/or Diver via sensor cable

Ambient conditions

Item	Specification
Temperature	-20 ... +50 °C
Ingress protection (enclosure)UMTS (optional)	IP67 (30 min.@1mH ₂ O)
Max. operation height	2000 m

Certifications

Item	Specification
CE	CE compliant
EMC / ESD	EN 61000-6-2:2005 / EN 61000-6-4: 2005

All information contained in this flyer is current at the time of publication. Our commitment to product improvement requires that we reserve the right to change equipment, procedures and specifications at any time.