



Gateway to flexibility

The GDT Prime Plus



Mechanical Specifications

Specification	
Housing dimensions	Ø 48 mm, Ø top cap 60 mm, length 340 mm
GDT Prime Plus weight (incl. battery)	approx. 950 g
Housing material	Aluminium
Top cap	Synthetic, POM (Polyoxymethylene)

Electrical Specifications

Item	Specification
Battery (internal)	2 x D 1.5 V type / lifetime depends on sensor type
Modem clock accuracy	Better than 1 minute/day

External Power Supply	Specification
Voltage range	6 - 24 Volt DC
Power	15 W (peak) minimal
Connector	M8, female, 3-pin
Eijkelpamp options	Solar power kit (item 113426), mounting kit solar power (113427) or external battery holder (item 113422)

Connections

Messages	Specification
Message mode	Web portal, e-mail, SMS alarms
Data encryption	AES
GSM	GPRS (2.5G), UMTS (3G), LTE (4G) or LTE (5G) available soon
SIM card	Multinetwork SIM M2M* replaceable
Antenna connections (external)	SMA connector
Sensor ports	5-pin connector (M12)
GNSS	Accuracy < 2.5 m CEP (open field)

* SIM card can be replaced by user. The functionality of SIM cards other than the Multinetwork SIM M2M type can only be guaranteed after functional tests are performed by Eijkelpamp Soil & Water. This is why we recommend you only use tested SIM cards.

Integrated Barometer and Temperature Sensor	Specification
Barometer measuring range	10 ... 1200 mbar *
Resolution	0.01 mbar
Barometer accuracy	± 2 mbar (at 300 ... 1100 mbar, 0 ... 50 °C)
Temperature measuring range	-40 ... +85 °C
Resolution	0.01 °C
Temperature accuracy	± 0.8 °C (at 25 °C); ± 2.0 °C (0 ... 50 °C)
Adjustable logging interval	1 min ... 1 day

* 1 mbar equals approx. 1 cm H₂O

Antenna	Specification
GPRS (2.5G)	Quad-Band type (850, 900, 1800, 1900 MHz)
UMTS (3G)	Five-Band (800, 850, 900, 1900, 2100 MHz)
LTE (4G)	Cat-M1: B1, B2, B3, B4, B8, B12, B13, B20, B28
LTE (5G)	Available soon
Connector	SMA Bulkhead
GNSS	GPS and GLONASS

Sensor ports	Specification
Number of sensor ports	2
Port 1 (bottom)	Diver, e+ Logger
Port 2 (top cap)	Water quality probe, SDI-12 sensor, analogue sensor*, Diver, e+ Logger**, pulse counter

* = 0 - 5V, 0 - 20 mA, 4 - 20 mA, single ended or differential. ** = ask Eijkelpamp Soil & Water for specific sensors or for options for connecting your own sensor.

Ambient conditions

Item	Specification
Temperature	-20 ... +60 °C
Ingress protection rating (housing)	IP68

Certifications

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