



Meet your new time saver

The GDT-S Prime



Meet the difference

Meet your new time saver

Field trips to collect sensor data are history. The GDT-S Prime enables you easy and 24/7 access to your sensor data. Meet your new time saver, the GDT-S Prime.

The GDT-S Prime comes with some extraordinary features:

- Global connectivity
- Powered with standard alkaline batteries
- Robust design with IP68 waterproof rating
- Guaranteed and secured data availability
- Real-time alarms

The GDT-S Prime modem will take care of the transfer of data from a sensor to you, wherever you are, whenever and however you want it. Plus, at any time or place you can perform a remote battery check, basic diagnostics, receive upgrades, set communication intervals, such as measurement and send intervals and set alarms.

You can receive your data by e-mail or download it from the Eijkelkamp Web Portal. The GDT-S Prime can also be connected to your own web environment with API.

The GDT-S Prime is designed to fit in a monitoring well and requires no extra hardware installation. Simply take the GDT-S Prime, connect it to your sensor and place it in the monitoring well. The monitoring well can be made vandalism proof with Eijkelkamp Soil & Water's protective casing. The GDT-S Prime is well adapted to function in other settings with the mounting of a shaft where the GDT-S Prime is placed.

The GDT-S Prime is a critical and necessary element of a water monitoring network that values reliability and cost effectiveness. Due to the extremely secure data setup, your data is always available. Even when e-mail fails to arrive, your data is safe and secured for the next send attempts.

All this makes the GDT-S Prime a reliable, affordable, time-saving element in your water monitoring network.



What's in the box?

- Modem
- Antenna
- Magnet
- Alkaline batteries
- MDC cable hinge
- Quick guide

Features

- Easy plug-and-play installation
- No software needed
- Guaranteed data availability
- Real-time alarms
- Global connectivity (GPRS & UMTS)
- Easy link to your own web environment (API)
- Robust design with IP68 waterproof rating
- Powered with standard alkaline batteries
- Lithium battery for intensive use (optional)
- Internal barometric and temperature sensor
- External antenna for optimal reception

Applications

- Ground water monitoring
- Surface water monitoring
- Smart environment





Connect your sensor

The GDT-S Prime comes with one port to connect your diver or e+ sensor. If you wish to connect more sensors simultaneously, use the GDT-S Prime Plus for two sensors or the GDT-M for six sensors. An extra feature of these GDT-versions is that all types of sensors can be connected.

Smart alarm feature

The GDT-S Prime comes with a smart alarm system so the measure and send interval can be set to change automatically when specific criteria are met. Within a water monitoring system with a potential overflow or flood situation, this means that the measure and send interval is increased when a water level threshold is reached. You can create a real-time monitoring situation only when the particular circumstances are met that require real-time monitoring. Another soothing alarm feature is that the GDT-S Prime will intervene with its programmed send interval when an alarm is triggered.

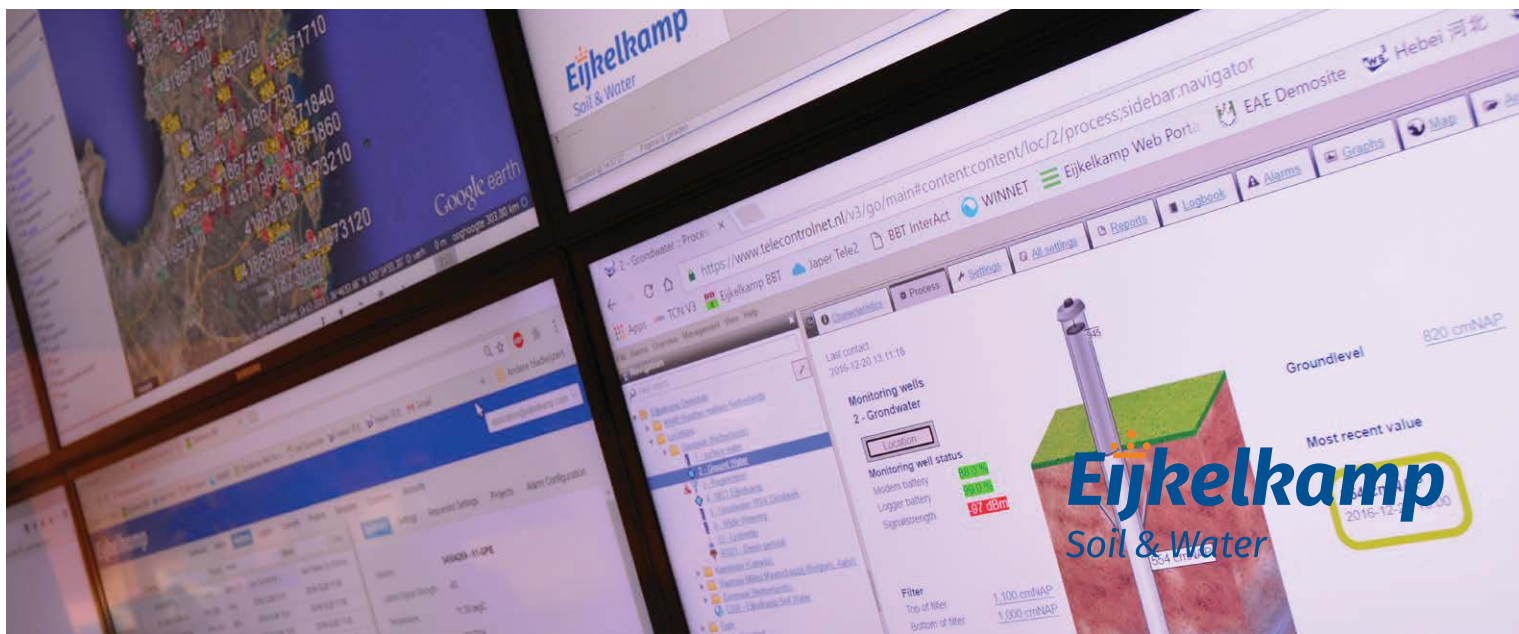
Due to its many special features the GDT-S Prime is an extremely reliable and essential element in a smart environment and is designed to make your water monitoring network available remotely.

Eijkelkamp Smart Sensing

Our world is getting smarter, and a smart world mainly generates action from measuring and monitoring and by following this up with relevant actions. To us smart means more than producing a large quantity of data: these data should also be given meaning and be linked to an action.

Eijkelkamp Smart Sensing gives you the complete package to make your environment smart. We provide the resources, technology and services to produce relevant monitoring data that is ready to trigger action. These data mean control signals for machines and equipment, information on maintenance, insight into systems, preparedness for climate events and alarm options at every step.

Eijkelkamp Smart Sensing is Eijkelkamp's answer to a changing world. Want to know more? Visit eijkelkamp.com/smartsensing.



Technical data

Mechanical specifications

Specification	Dimensions
Enclosure	Ø 48 mm, Ø top cap 60 mm, length 340 mm
Weight	
Global Data Transmitter Single PRIME (incl. battery pack)	approx. 890 g
Materials	
Enclosure	Aluminium
Top cap	Synthetic, POM (Polyacetal)

Electrical specifications

Item	Specification
Battery pack (internal)	2 x D 1.5 V type / lifetime 3 years (typical)
Lithium battery (for intensive use)	3.6 V/35 Ah, Tadiran Lithium SL-2790S, Size: DD
Modem time accuracy	Better than 1 minute/day

Connections

Messaging	Specification
Message mode	Web portal, e-mail, SMS alarm
Data encryption	AES
GSM	GPRS, UMTS or LTE
SIM card	Multinetwork SIM M2M* exchangeable
Antenna connector (external)	SMA connector
Sensor port	5-pin male connector (M12)

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

Integrated barometer and temperature 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
GPRS	Quad band type (850, 900, 1800, 1900 MHz)
UMTS	Five band (800, 850, AWS1700, 1900, 2100 MHz)
Connector	SMA Bulkhead

Sensor ports	Specification
Number of sensor ports	1
Port 1	Diver, e+ logger

Ambient conditions

Item	Specification
Temperature	-20 ... +60 °C
Ingression protection (enclosure)	IP68

Certifications

Item	Specification
CE	CE compliant
EMC / ESD	EN 61326-1: 2013