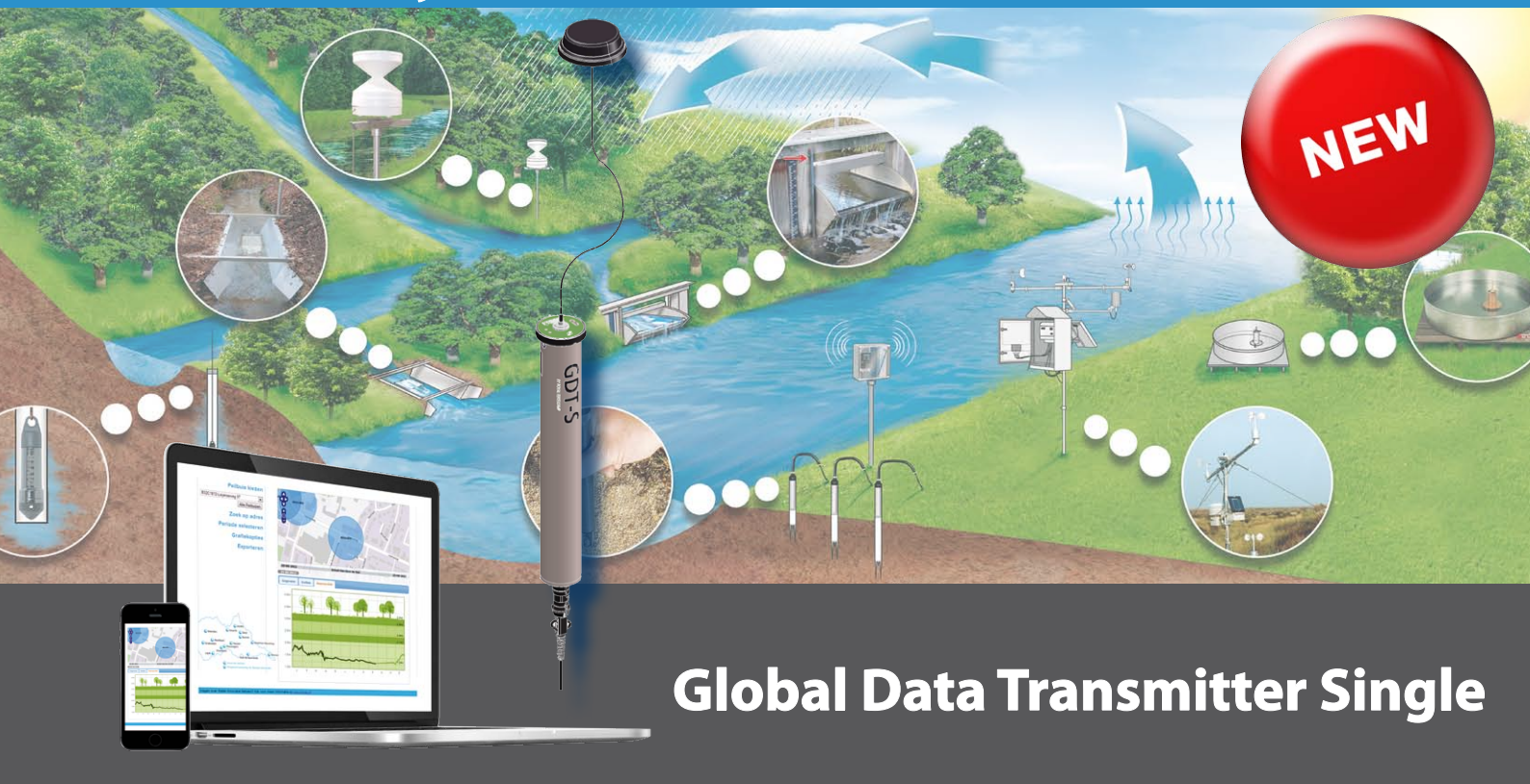
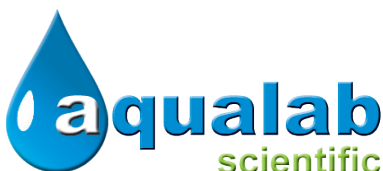


Always and everywhere a complete data set of your e-SENSE sensor or Diver



Global Data Transmitter Single

- Part of the Carefree Solutions concept
- Robust stainless steel design for use in monitoring well
- Secure data transmission
- GPRS and UMTS model
- Data available via Eijkelkamp Web Portal or e-mail
- Internal barometric and temperature sensor
- Smart, reliable and efficient



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Technical specifications

Mechanical specifications

Specification	Dimensions
Enclosure	∅ enclosure 48.3 mm, ∅ top dop 60 mm, length 340 mm

Specification	Weight
GDT-S (incl. battery pack)	approx. 1750 g

Specification	Material
Enclosure	Stainless steel 304, top dop POM (synthetic material)

Electrical specifications

Item	Specification
Battery pack (internal)	7.2 V (Lithium metal)
Life time of the battery pack	3 years (at a 1 hour interval)
Maximum rated power usage	4.32 W (600 mA)
Modem time accuracy	better than 1 minute/day

Connections

Messagingn	Specification
Message mode	web portal, e-mail, SMS alarm, other
GSM	Quad band type (850, 900, 1800, 1900 MHz)
UMTS (optional)	2100 MHz
SIM card	Vodafone NL M2M *
Antenna connector	FME connector
Sensor port	5-pin male connector, A-coded
IRDA	Read out by IRDA dongle

* 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 Eijkelpamp. Therefore it is advised to use tested SIM cards 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 (external)	Quad band type (850, 900, 1800, 1900 MHz)
UMTS (optional)	2100 MHz
Connector	FME Bulkhead
Ingress protection	IP67 or better

* Other antenna types are available on request.

Sensor ports	Specification
Number of sensor ports	2
Port 1 (external)	sensor (e+ logger or Diver) via sensor cable
Port 2 (internal)	integrated barometer and temperature sensor

Ambient conditions

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

Certifications

Item	Specification
CE	CE compliant
EMC / ESD	EN 61000-6-1, EN 61000-6-3