

## Technical data

### Mechanical specifications

| Specification                         |   |
|---------------------------------------|---|
| Housing Dimensions                    | Φ 48 mm, Φ top dop 60 mm, length 340 mm |
| GDT-Single Prime Plus (incl. battery) | approx. 950 g                           |
| Housing material                      | Aluminium                               |
| Top cap                               | Synthetic, POM (Polyacetal)             |

### Electrical specifications

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

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

### Connections

| Messaging                    | Specification                      |
|------------------------------|------------------------------------|
| Message mode                 | Web portal, e-mail, SMS alarm      |
| Data encryption              | AES                                |
| GSM                          | GPRS (2.5G), v. UMTS (3G)          |
| SIM card                     | Multinetwork SIM M2M* exchangeable |
| Antenna connector (external) | SMA connector                      |
| Sensor ports                 | 5-pin male connector (M12)         |
| GNSS                         | Accuracy <25 m CEP (open field)    |

\* 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 Eijkelpomp 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                                    |
| 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 is approximately 1 cmH<sub>2</sub>O

| Antenna     | Specification                             |
|-------------|---|
| GPRS (2.5G) | Quad band type (850, 900, 1800, 1900 MHz) |
| UMTS (3G)   | Five band (800, 850, 900, 1900, 2100 MHz) |
| 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)       | AP probe, SDI-12, analogue*, Diver, e+ logger**, pulse counter |

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

### Ambient conditions

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

### Certifications

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

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.