



VAN WALT
monitoring your needs

Data Collection Telemetry



+44 (0) 1428 661 660 | www.vanwalt.com | sales@vanwalt.com

vanwaltKISS Telemetry

Keep it Simple System

Specified, designed and made for Van Walt in the UK

A true plug-and-play environmental data telemetry system

Easy to deploy

Bespoke cable lengths up to 50 metres (30 metres standard)

24 months of data

24 months warranty

24 months battery life

No hidden costs within the 24-month cycle

Logger for Life concept with repeatable 24-month usability cycle and warranty after return to base update

Available for long term rental starting at a minimum of 2 months or outright purchase options

Includes access to secure portal for data download

Includes roaming SIM card which allows operation in most countries

CE rated

Can be deployed in wells of 1-inch and larger

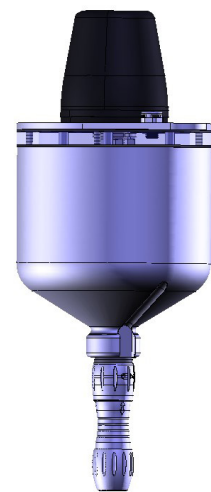
Sensor Specifications

- Sensor**

- Protocols
 - Modbus
- Fluctuation
 - 30 metres
- Accuracy
 - Sensor dependent either Keller TD or Keller CTD

- Sensor Cable:**

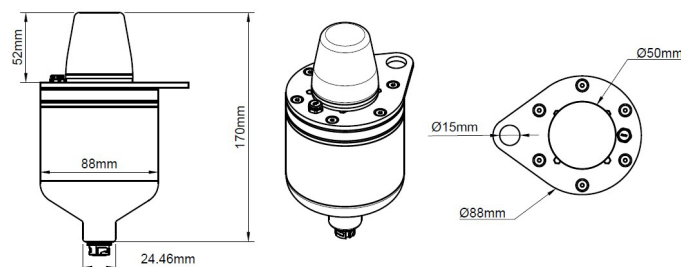
- Non-stretch
- Vented
- Connector at the top of the cable, IP68 with integrated cable strain relief. Connector acts as ON/OFF switch
- Cable can be shortened



Van Walt recommends: A true plug-and-play environmental data telemetry system

Specifications

- **Fixed sample intervals:**
 - 1/15'
- **Fixed upload of data to secure server:**
 - 1/day (08:00 UTC)
- **Data:**
 - Compensated pressure above the sensor (no baro data necessary)
 - temperature (water)
 - EC (option)
 - System Voltage
 - .csv format file
 - File/Unit identifier
 - Date and time stamps
 - Sensor Data
- **Operating Temperature Range**
 - -10OC to + 70 OC
- **Sends data 1/day (96 data sets):**
 - Bespoke, Secure Cloud Server Stores the Data
 - Data viewable and downloadable from the server
 - Email notification when new data is available
- **Users:**
 - Users registered with secure password
- **Data stored as backup/redundancy on internal non-volatile memory:**
 - Device stores 24 months of data
- **Battery:**
 - Minimum 24 months Battery Life
 - Product should only be used with the Battery supplied
 - Battery is not suitable for charging
 - Supply voltage: 3.6 V
 - Power rating – Peak 1.5A
- **GSM unit:**
 - Multi-band 2G/4G chip
 - Integral antenna
 - POD roaming data SIM (works in most countries)
- **Enclosure:**
 - Bespoke auto-centering design to IP68
 - 88 mm diameter to fit securely on top of a 1" to 3" well
 - 150 mm to 170 mm Height (height reduces as well diameter increases)
 - 1.3 kg (without sensor)
 - Powder coated stainless steel 304
 - Tapered to auto-centre on well from 1" and larger
- **Electronics:**
 - Low energy
 - Bespoke Lithium battery with integrated super capacitor with a minimum life of 24 months
 - Easy way to switch on/off with multi-coloured LEDs confirming diagnostic and "Ready" to deploy light by connector
- **Interface:**
 - Over bespoke Van Walt Cloud Server: vanwaltCONNECT-Lite
 - Intuitive to use
 - Minimal training required
- **Software Updates**
 - Protocol over HTTPS for security of data
- **Two-yearly recommissioning**
 - Service unit
 - Replace battery
 - Reactivate SIM
 - Verify sensor
 - Re-issue 2-year warranty.
- **Applications**
 - Suitable for indoor and outdoor use



Van Walt recommends: A true plug-and-play environmental data telemetry system