

## vanwaltKISS

### What does KISS stand for?

Keep It Simple Sensing

### What is vanwaltKISS?

A true “plug and play” environmental telemetry system to monitor water level and temperature. Data collected every 15 minutes from a deployed system on site transmits data for download, directly to your phone, PC, or laptop once a day. An email will be sent to you each day as soon as a new data set is available.

### Why call it KISS?

A lot of technology has gone into the development of this system to make it very simple for our customers to use. vanwaltKISS makes collecting groundwater level and temperature data very simple in several ways:

- Connecting the sensor cable and vanwaltKISS unit powers the device on
- Wait for it to go through a colour display sequence (power and connection process test and confirmations)
- Feed the sensor down the well
- Bespoke, self-levelling design for easy deployment in wells from 1 inch
- Standard data recording every 15 minutes, sent every 24 hours (08:00 UTC)
- No need for a BaroSCOUT/barometric data – compensated pressure above the sensor provided
- View and download the data via the vanwaltCONNECT-LITE web-browser based dashboard
- Use downloaded data as required
- Reduced costs with no additional charges because system includes:
  - 2-year roaming sim
  - 2-year warranty
  - 2-year battery life
  - Storage for 2 years' data
  - After 2-years, fully serviced and restart all of the above for another 2-years with a further extension on the warranty
- Standard, high-accuracy sensor
- Standard cable length of 30 m (can be reduced in length to fit wells. A 50 m length cable is available at an extra cost).
- True “plug & play” solution, providing unparalleled simplicity of deployment, so no 3rd party installation required (available if requested, and even then minimal time and resources required to keep costs down).
- Data security using the https:// protocol.

### Where does vanwaltKISS come from?

- Designed from scratch by Van Walt Ltd
- Made in the UK to our specifications
- Owned, sold and distributed by Van Walt Ltd

### When would I use vanwaltKISS?

Example applications include:

- Environmental research
- Groundwater monitoring projects & site assessments
- Tidal studies
- Groundwater monitoring network automation
- Watershed, drainage basin and recharge areas
- Stream gauging, lake levels and reservoirs
- Wetlands & Water Meadow monitoring
- Storm water run-off monitoring
- Environmental monitoring
- Aquifer level monitoring
- Aquifer storage & recovery
- Flood risk monitoring
- Wetland and Peat Bog monitoring & surveys
- Final outflow monitoring for groundwater remediation projects

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### What sensor comes with vanwaltKISS?

- The Keller PR26 vented sensor, measuring depth and temperature. A Keller vented sensor to add EC to temperature and depth is available as an option
- A Keller CTD can be added to monitor conductivity

### How long is the cable from the unit to the sensor?

- Standard length is 30 m
- Can be cut down to length when needed
- Alternatively, a 50 m cable is available as an option (chargeable)

### What size well can the vanwaltKISS fit into?

From 1 inch diameter upwards

### How long will the battery last?

Includes a bespoke lithium battery with integrated super capacitor with a minimum life of 24 months (replaced during 2-year re-commissioning service)

- Device is low energy

### What happens in the 2-year re-commissioning service?

- Service vanwaltKISS unit
- Replace battery
- Reactivate SIM
- Verify sensor
- Re-issue 2-year warranty

### What is the subscription charge for vanwaltKISS?

There is no annual/bi-annual subscription charge as the Sim card and airtime is included in the sale/rental price.

### How can I get hold of vanwaltKISS?

vanwaltKISS is available to purchase and also for long term rental for periods of one month or longer. Call +44 (0)1428 661 660 or email [sales@vanwalt.com](mailto:sales@vanwalt.com).

### What are the dimensions of the vanwaltKISS unit?

- Bespoke auto-centering design to IP68
- 88 mm diameter
- 170mm Height to seat at the 1" well (height reduces as well diameter increases)
- 1.3 kg (without sensor)
- Powder coated stainless steel 304

### How do I secure my vanwaltKISS unit on site?

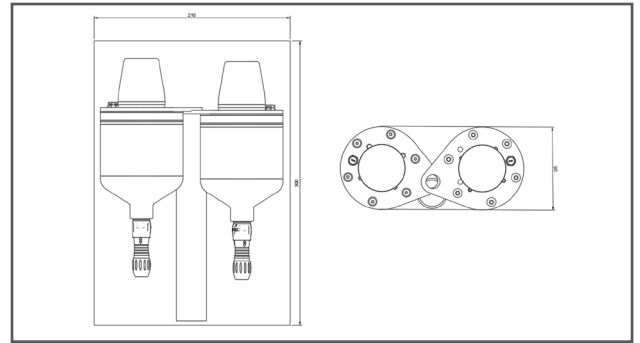
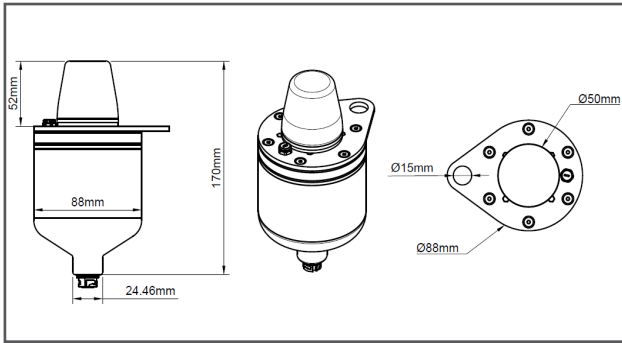
vanwaltKISS has a security eyelet built into the unit which can be used to secure/padlock a unit on site. Alternatively, the unit can be positioned inside a well cover – see photograph.





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We recommend a plastic, fibreglass or thin metal well cap to maximise the signal strength to the unit. The diagrams below outline the dimensions required to site vanwaltKISS securely inside the well, including placing 2 units side by side.



### What networks are used?

vanwaltKISS uses a roaming 2G/4G roaming SIM.

