

vanwaltDataNode - Mini

The vanwaltDataNode-Mini is a small, compact and simplified version of the vanwaltDataNode, whilst retaining almost all features available to the standard vanwaltDataNode. The reduced size of the aluminium housing allows the DataNode-Mini to be discretely placed into small spaces

The vanwaltDataNode-Mini turns any sensor into a wireless unit. It sits at location and transfers sensor measurements using radio frequency. The DataNode-Mini can accept inputs from SDI-12 and MODBUS sensors.

Inside the DataNode-Mini is a radio "tile" which enables it to communicate with a PC or a vanwaltDataGateway wirelessly over a considerable distance, up to 10 km line of sight.



Features

- Data logging with wireless data recovery
- Cost-effective for telemetered networks
- Up to 30 DataNode-Mini's can be daisy chained in a telemetered network with our DataGateway
- License and subscription free
- Designed to operate independently or part of a network
- Suited for deployment in hard to access areas
- Secure wireless communication
- 12 months battery life (with 15 minute reporting interval)
- Designed by and manufactured in the UK under license by Van Walt Ltd

Compatibility Options

- vanwaltGateway
- vanwaltDataRelay
- SDI-12 and MODBUS sensors, including:
 - Keller level & temperature sensor
 - Keller narrow diameter sensor (16mm)
 - Keller CTD
 - Keller surface level sensor
 - INW TempHion sensor
 - INW DO sensor

Dimensions 90 x 81 x 46mm + antenna (101mm)

Frequency UK & Europe
New Zealand

- 869.450 – 869.625 MHz
- 921.400 – 921.525 MHz

Enclosure IP67, Black anodised aluminium

Ingress Protection IP67

Communications

- DataGateway
- Config Tool

Power Supply

- Internal 2 x AA Batteries

Protocols

- MODBUS RS485
- SDI-12

Applications

- Environmental research
- Flood risk monitoring
- Property care and protection
- Well, tank, tidal water level monitoring
- Wetland and Peat Bog monitoring & surveys
- River, stream, reservoir gauging
- Surface & storm water runoff monitoring
- Resource administration
- Saltwater intrusion monitoring & tracking
- Agricultural runoff studies
- Discharge monitoring