

V200 & V210 Hybrid

Product Specification

Wireless M-Bus 868MHz and Pulse Output Volumetric Cold Water Meters DN15 to DN40

Application

Introducing the V200 and V210 Hybrid, combining the high accuracy and extended flow range of the V200 family of water meters, with the latest advances in intelligent metering system capabilities.

The integrated open standard M-Bus (EN13757-4) radio communication makes data collection easily adaptable for every system provider. An OMS compliant telegram completes this interoperability.

For advanced logging applications the Hybrid meters are available with an integrated pulse output (flying lead). The simultaneous use of the radio and pulse output allows the use of Hybrids in smart meter data analytics.

Output Data

ONE-WAY (WIRELESS M-BUS) T1 MODE	
RADIO:	868 MHz, 25 mW
OMS VERSION:	V3, encryption mode 5
DATA PACKAGE:	Current meter index, due date meter index, alerts (leak, backflow, no flow, battery)
TRANSMIT INTERVAL:	12 secs. (configurable)
WIRED PULSE OUTPUT (VARIANT OPTION UPON REQUEST)	
PULSE VALUE OPTIONS:	0.1, 1 (default), 10, 100 or 1,000 litres per pulse
PULSE WIDTH:	80 ms
OUTPUT TYPE:	Volt free, open-drain
PULSE MODE OPTIONS:	Forward and reverse Compensated plus tamper Bi-directional plus direction

Technical Data

SPECIFICATIONS	
PROTECTION CLASS:	IP68
ENVIRONMENTAL CLASS:	B
MECHANICAL CLASS:	M1
ELECTROMAGNETIC CLASS:	E1
AMBIENT TEMPERATURE:	-10 to 55 °C
STORAGE TEMPERATURE:	-25 to 70 °C
DISPLAY	
DISPLAY TYPE:	Liquid Crystal (LCD)
MEASUREMENT UNITS:	Cubic metres (m ³)
DIGIT HEIGHT:	Billable units: 8mm Decimal units: 6mm
DISPLAY RANGE:	999,999.99999 m ³
DISPLAY RESOLUTION:	0.01 litres
TELL-TALE:	Meter operation/ flow direction indicator
ALERT INDICATION:	Alert notification digit and alert type codification
INSTALLATION ORIENTATION:	Any



KEY FEATURES AND BENEFITS

- Large, clear reading display
- wMBus T1 (EN13757-4); OMS compatible
- 15 year battery life
- NFC communication with access to last data point after power down
- 6400 datalogging values
- Advanced AES 128 Encryption
- Improved low flow capture
- Consistent meter display and output data
- Advanced data & time stamped alerts: leak, leakage volume, nightline, backflow
- Flow rate indication in meter display
- Optimised antenna to maximise RF range
- Both radio and pulse output versions are available for advanced applications

For more information

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