



ROVERIS3 DN15

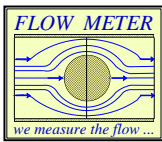
Water meter with electronic totalizer and RF module



Technical and metrological specifications

Use	<i>Cold water clean, domestic consumption</i>
Maximum working pressure	<i>16 bars</i>
Degree of protection	<i>IP68</i>
Body	<i>Brass</i>
Precision class	<i>C (R160)</i>
Communication	<i>Radio</i>
Dimensions	<i>122 x 72 x 62 mm</i>
Weight	<i>150 g</i>
Battery life time	<i>10 years</i>
Nominal flow	<i>1.5 m³/h</i>
Flow limits	<i>Minimum: 4 liters/hour (starting flow)</i> <i>Maximum: 4 liters/hour</i>
Minimum division	<i>0,001 mc</i>
Maximum indication	<i>99999,999 cubic meters</i>
Optional	<i>RF Solenoid</i>
Test and calibration	<i>Automatic, on a dedicated stand</i>



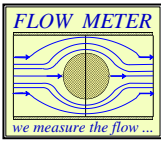


Installation Requirements

- *The water meter must be installed in a horizontal position*
- *The pipeline must be flushed before installation*
- *The water meter must be permanently filled with water*

Radio network specifications

Frequency band	<i>868 MHz</i>
Modulation	<i>FSK</i>
Power	<i>100 mW</i>
Transmission	<i>Bidirectional</i>
The communication distance	<i>Up to 1000 m (meter installed in the home, at a depth of 1m)</i>
Battery	<i>3.6V - 10 years life time</i>
Environmental conditions	<i>Temperature range - 10 °C to + 70 °C</i>
RF Network	<i>Fixed Network (GPRS transfer) mobile or mobile reader</i>



Network components

- *RF Slaves (RFS)*
- *RF Reader Master (RFRM)*
- *PC Graphical User Interface (GUI)*

Data from RF modules (RFS) are acquired by a reader radio (RFRM) that periodically polls the network, each RFS device having own address.

