RF-LW-WF

LoRaWAN clamp on flow meter



Features & Benefits

- Non-invasive clamp on installation - no pipe cutting, welding or plumbing required
- Wireless connectivity via LoRaWAN and or M-bus for remote monitoring and data collection
- Long battery life (up to 10 years) and minimal maintenance required
- Built in leak detection alerts
- Includes both water volume (m^3) and temperature measurement (pipe water and ambient)

Technical Overview

The RF-LW-WF is designed to simplify water management for property owners and facility managers. Its seamless compatibility with leading IoT platforms ensures you can integrate advanced water monitoring into your existing systems without disruption or costly upgrades. From water data collection, to leak alerts the RF-LW-WF makes managing water systems easier than ever.

Technical Specification

Weight	280g
Dimensions	79x87x40mm
Battery	3.6VDC Li/SOCI2, non-replaceable, up to 10 years
Storage Conditions	5 to 55°C
Water temperature	0.1 to 70°C
Environment	5 to 30°C, indoor usage
Sampling Frequency	1Hz
Water usage frequency	1 Litre
Wireless M-bus protocol	Wireless M-Bus (868MHz, C1, format A)
Wireless LoRaWAN protocol	EU868MHz (SF12 for RX2), 1.0.2-revB, OTAA
LoRaWAN data resolution	1 hour (configurable)
Maximum flow rate	66.7 litres per minute
Small leak detection	>0.017 to 0.15 litres per minute, over several days
Medium leak detection	>0.16 litres per minute for at least 40 min
Large leak detection	>25 litres per minute for at least 5 min
Flow rate accuracy	Max ±20% error

Tel: +44 (0)1732 861200 | E-mail: sales@sontay.com | Web: www.sontay.com

Sontay Limited. Four Elms Road, Edenbridge, Kent, TN8 6AB UK

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Note: for all gas sensors, None of our devices are approved for use in life safety applications. This document is uncontrolled if printed. Generated on 11/11/25

Ambient temperature accuracy	Max ±1.5°C error
Water temperature accuracy	Max ±2°C error

Related Product Codes

RF-LW-WF-C	LoRaWAN clamp on flow meter for copper piping
RF-LW-WF-P	LoRaWAN clamp on flow meter for plastic piping

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