SePem® 351

Stationary monitoring of water distribution networks

Sending measurement data via LoRaWAN®

The SePem® 351 noise logger monitors your water distribution networks.
With the target of reducing water losses, it transfers measurement data via LoRaWAN®.

The SePem® 351 logger is specifically designed for stationary installation. It measures the noises in the pipe network at defined times. Following the measurement, the recorded data are evaluated and prepared to be transferred.
The logger must be registered in a LoRaWAN® network to ensure that the measurement data can subsequently be sent to the control board of a water utility. A network information system is required to visualise the results.

New leaks that occur can be detected within a few hours as the measurement values are transferred daily by every SePem® 351. The use of existing LoRaWAN® networks enables the optimum connection to implemented technologies.

SePem® 351 is designed for use in distribution networks.

The product variant SePem® 351 HY is used to monitor trunk mains acoustically.

We will be happy to support you with the integration of the SePem® 351 into installed network information systems.

Technical data

SePem® 351

Dimensions (H × Ø):	126 × 54 mm (without aerial)
Weight:	approx. 760 g (without aerial)
Marking:	CE
Operating temperature:	-20 – 55°C
Protection rating:	IP68
Power supply:	lithium metal battery
Operating time, typical:	9 years (when using the default settings)
Frequency bands:	LoRaWAN® AS923, AU915, EU868, KR920, IN865 National radio certification might be required

SePem® 351 HY

Dimensions (L × D × H)	55 × 65 × 170 mm (without aerial)
Weight:	approx. 820 g (without aerial)
Marking:	CE
Operating temperature:	0 – 55°C
Water pressure:	up to 16 bar
Protection rating:	IP68
Power supply:	lithium metal battery
Operating time, typical:	9 years (when using the default settings)
Frequency bands:	LoRaWAN® AS923, AU915, EU868, KR920, IN865 National radio certification might be required
Attachment option:	1" external thread

LoRaWAN® is a brand used under the LoRa Alliance® licence.

Please refer to our detailed offer for all other technical information and accessories.
108970 – 04/2024 – Subject to technical changes.