

AGUARDIO LEAK SENSOR

Data Sheet



1. Technical specifications

Features	Description
Product key features	Leak detection.
Connected version features	Flush/water flow count, ambient & pipe temperature measurement, detailed leak analysis including leak categorization in four categories.
Measuring intervals	The sensor records water and ambient temperatures, as well as total number of flushes/water activity hourly.
Leak Detection	Leak patterns (e.g. constant leaks, e.g. on/off leaks and other) for toilets are determined using unique algorithms and data analysis. Different algorithms and software versions are available. Key parameters include time plus temperature differences between the water pipe and ambient temperature
Data Collection Methods	Aguardio Connected Solutions App, Aguardio Gateway.
Number of devices Gateway can connect to	Gateway can connect to a maximum of 10 Leak Sensors.
Memory Capacity (Connected version)	When collecting data with app: The sensor can collect up to 14 days worth of data. When the storage reaches maximum capacity, new data cannot be collected and the sensor suspends further data logging until the storage is cleared. When collecting data with Gateway: Data is automatically collected twice a day (The frequency of the data collection can be adjusted based on customer wishes.)
Data Accessibility	Primarily through the Aguardio Hub, data access can be integrated to other systems via API key.
Aguardio Hub	Limited online training sessions can be provided by Aguardio to support new installations users, this must be agreed at time of purchase. Large-scale training sessions can be purchased separately.
Location	Indoors.
Applications	Incoming hot or cold pipework, such as water taps, toilet water inlet pipes, water supply pipes, or flexible braided hoses.
Recommended Fitting	Heat conductive material metal (e.g. copper or steel pipework). Plastic pipework is not recommended, as plastic is less sensitive to warm and cold factors, meaning the sensor might not measure accurately.
Pipe Adaptability	Pipes ranging from 8 to 28 mm.
IP - rating	IP54
Water resistance	Exposure to high humidity and wet conditions can accelerate battery drain in sensors.

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1 B. Technical specifications - cont.

Operating temperature range	0 to 40°C
Product Storage Temperature	(-20°C) to 70°C outside these temperatures the electronics may be at risk of damage
Battery type	CR123A
Battery life	Up to 10 years
Replaceable/Rechargeable battery	No
Acoustic alert* (If applicable)	> 80dbm
Net weight	25 g
Measurements (with bracket)	Length - 6,5 cm, Width - 2,1 cm, Height - 3 cm
Packing dimensions	Single-packed sensors - 9 x 2,5 x 4,5
Box quantities	Single-packed sensors can be delivered in a box of 100, measuring 27 x 25 x 20 cm. Multi-packed sensors can be delivered in a box of 40 (each sensor in a plastic bag) measuring 27 x 14,5 x 5,5 cm
Certification labels and other markings	     