Aguardio

AGUARDIO **PIPE SENSOR**

Data Sheet

1. Technical specifications

Features	Description
Product key features	Leak and flow detection in water pipes.
Connected version features	Flush/water flow count, ambient & pipe temperature measurement, detailed leak analysis including leak categorization in four categories.
Measuring intervals	**When collecting data with app/Gateway:** The sensor records water and ambient temperatures, as well as total number of flushes/water activity hourly. **When collecting data with HPE Aruba Networking Access Points:** The sensor records data at least once every 30 seconds.
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, HPE ARUBA Access Points.
Number of devices Gateway can connect to	Gateway can connect to a maximum of 10 Pipe (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 (frequency of data collection can be adjusted if necessary). **When collecting data with HPE Aruba Networking Access Points:** Data is broadcasted live at least once every 30 seconds.
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 materials such as metal (e.g., copper or steel pipework) are recommended for optimal sensor performance. While it is possible to place a sensor on plastic pipework, the reading accuracy may be affected. This is because plastic can have an insulating effect, which affects the sensitivity to temperature fluctuations and potentially leads to less precise measurements.
Pipe Adaptability	Pipes ranging from 8 to 28 mm.

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1 B. Technical specifications - continued

IP Rating	IP54
Water resistance	Exposure to high humidity and wet conditions can accelerate battery drain in sensors.
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	SL-750
Battery lifetime	Up to 10 years
Replaceable/Rechargeable battery	No
Acoustic alert* (If applicable)	> 80dbm
Net weight	25 g
Measurements	Length - 6.5 cm, Width - 2.1 cm, Height - 3 cm
Packing dimensions	9 cm x 2.5 cm x 4.5 cm
Box quantities	Single-packed sensors come in bulk box size of 100 which measures 27 x 25 x 20 cm.
Certification labels and other markings	RoHS UK CA CE Bluetooth FC aruba