

Aquilar

SONIC

Smart Water Monitor



DATA SHEET



aquilar
leak detection solutions

SONIC

Smart Water Monitor



Sonic's carefully-engineered layout packs in huge amounts of functionality while still permitting installation in tight spaces. It uses a standard 3/4" BSP connector that can be easily connected to standard plumbing. The chassis is reinforced for outstanding stability, durability and heat and chemical resistance. The high-resolution pressure sensor gives stable 24-bit readings under as little as 30ml of water. It works up to 10 bar and from -0 to +50 degrees C. Temperature sensor provides accurate temperature measuring.

SIMPLE OPERATION

Sonic uses HD Ultrasonic technology to detect flow of water and identify appliances connected to the plumbing network. Inbuilt temperature sensor can alert you to a potential frozen or freezing pipe, helping prevent bursts from occurring in the first place. Thanks to an integrated pressure sensor, Sonic performs a scheduled pressure check on the plumbing system, alerting you to even the smallest of leaks. The user-configurable integrated smart shut-off valve can isolate the incoming water supply in seconds, containing a problem before it can get any worse.

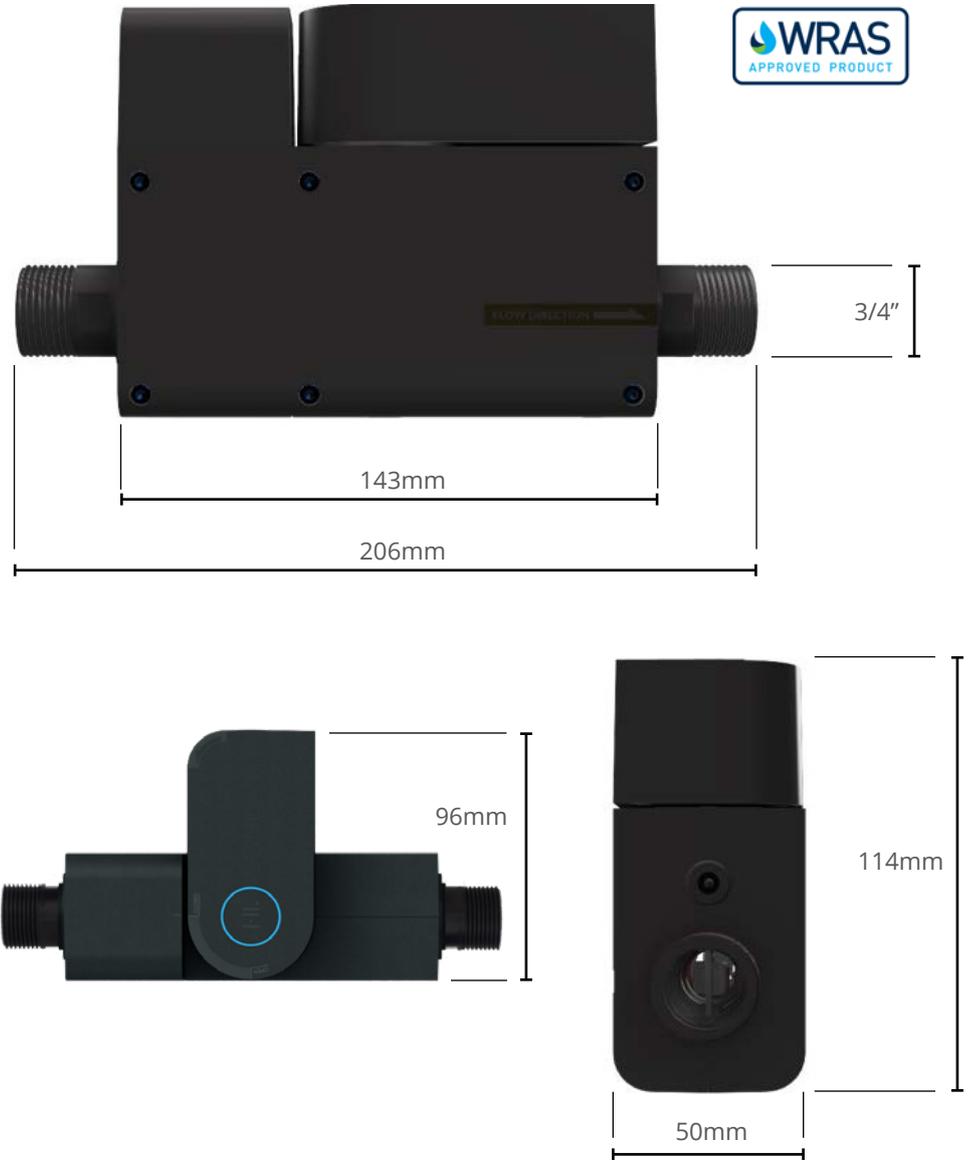
SYSTEM FEATURES

- Mains water pipes ranging from 15mm to 28mm (22-28mm plumbing adaptor will be required for 28mm pipe sizes)
- Smart Water Metering
- Valve Shut Off and Valve State Control
- Water temperature and pressure measurements
- App connectivity - receive messages and control your device from anywhere in the world (Wifi / Data Required).

SONIC TECHNICAL INFORMATION

Size (WxHxD)	206 x 114 x 50mm
Power	Plugin External Power Supply - 230Vac to 7.5Vdc (included) max 1.5M cable length Battery pack - 4x AA (Lithium recommended) (not included)
Operating Conditions	Indoor use, 0 to 50 degrees
Shut-off valve	Included - Wras Approved
Flow Direction	Unidirectional
Working Pressure	Up to 10 Bar
Pressure Drop	0.14 Bar
Pipe Connection	Male 3/4" BSP
Recommended Connector Type	Straight Tap Connector 15mm X 3/4" with washer, 22mm X 3/4" with washer, max 28mm pipe size.
Network Connectivity	HeroLink 868Mhz - Platform subscription required

SONIC DIMENSIONS



APPROVALS



EN 300 220-2 V3.1.1 (2017-02)
 EN 301489-3 V2.1.1 (2019-03)
 EN 62368-1:2014+A11:2017
 EN61000-6-2:1999 (Heavy industrial)

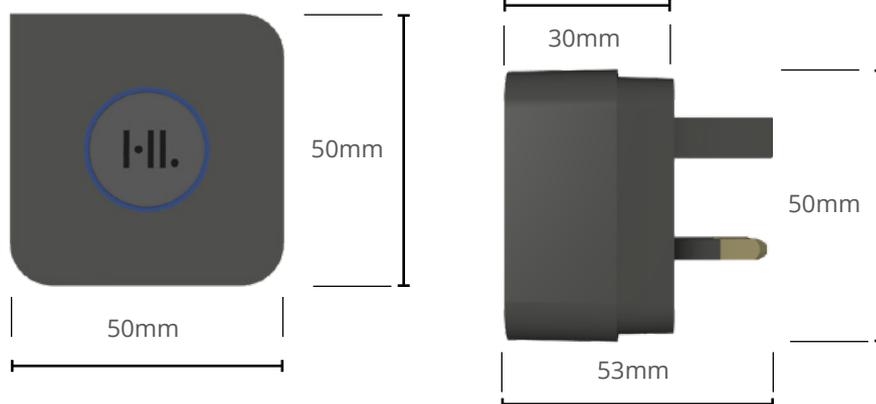
EN50081-1
 EN 62311:2008
 EN ISO 12100:2012
 WRAS APPROVED

Directive RED 2014/53/EU
 Directive RoHS 2011/65/EU, 2015/863/EU
 Directive Machinery 2006/42/EC

SIGNAL TECHNICAL INFORMATION

Size (WxHxD)	50 x 50 x 53mm
Power	100-240V 50/60Hz Vac - (UK Plug Type)
Operating Conditions	Indoor use, 0° to 40°C
User interface:	Multifunction switch RGB light <i>Sounder feature available Q3 2022</i>
Connectivity	HeroLink (868MHz) Bluetooth v4.2 WiFi 802.11b/g/n 2.4GHz

SIGNAL DIMENSIONS



APPROVALS



Important: All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Aquilar Limited makes no warranty as to the accuracy or completeness of the information, and disclaims any liability regarding its use. The only obligations of Aquilar Limited are those in the Aquilar Standard Terms and Conditions of Sale for this product, and in no case will Aquilar Limited be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use or misuse of the product. Specifications are subject to change without notice. In addition, Aquilar Limited reserves the right to make changes – without notification to Buyer – to processing or materials that do not affect compliance with any applicable specification.

Aquilar is a trademark of **Aquilar Limited**