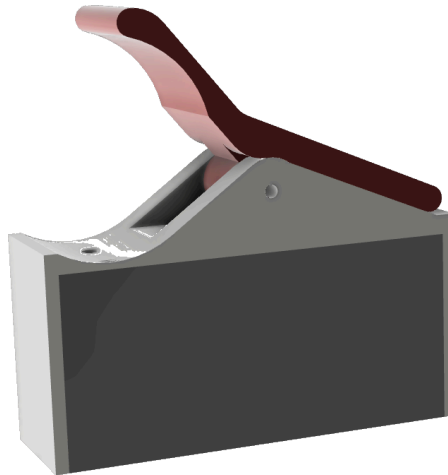




- 1. Scope of Delivery
- 2. Technical Data - Part 1
- 3. Technical Data - Part 2 (MID/OIML-R49)



Leakage Protection Clamp

SKU: LEALWE01

Version: 1.1



↑

1. Scope of Delivery

- Main device
- 2* AAA batteries, already installed within the device
- Manual

↑

2. Technical Data - Part 1

- Identification:
 - SKU: AQMWIE01
 - EAN: 4251295783 - 444
- Power Supply:



- Alternative of parallel: ext. power supply or battery
- Power Supply: 5V/2A USB-C
- Battery: 2 * AA, replaceable
- Communication:
 - WLAN IEEE 802.11b/g/n (2.4 GHz WIFI)
 - Aqua-Scope Cloud Protokoll
 - MQTT Client
 - JSON Webservice Client
 - LoRaWAN
 - Frequency EU868 or as configured
 - Class A
 - LoRaWAN 1.0.3
 - Bluetooth 5 (LE): UART Profile
- Local Usage:
 - one Button
 - 3 Colored LEDs (red/green/yellow)
- Sensing Technology:
 - Approach: differential "Time-of-Flight"
 - Frequency of Signal: 1 MHz Ultrasonic
 - Strength of Signal: -7.5 ... 30 dB (calibrated)
- Supported Pipe Diameters/Materials
 - Diameter Plastics: 15 ... 50 mm
 - Diameter Metall: 15 ... 32 mm
 - Pipe Materials: PEX, PEX AL, Steel, Copper, PP, PE
- Sensitivity of the Sensor:
 - Minimal sensitivity: 0.1 l/m - 3 l/m (user-defined)
 - Drip Detection: from 0.1 l/m (depends on calibration, shown in App)
 - Breaking Pipe Detection: > 30 l/m (user-defined)
- Dimensions/Weight:
 - 110mm x 60mm x 40mm
 - Weight: 310 gr. (without Batteries)
 - Protection: IP 44
 - Storage/Transport: 0 ... 40 C, 10 ... 90 % RH

↑

3. Technical Data - Part 2 (MID/OIML-R49)

- Pressure: PN10 (Pipe dependent)
- Temperature: 0.1°C ... 70°C (T70)
- Overload flow rate (Q4): 3 125 l/h
- Electrostatic Class: E1 (residential, commercial, light industrial)
- Climate Class: 5°C ... 30°C in condensating/damp environment
- Environmental Class: B (MID), fixed installation with minimal vibrations