AD21
Acoustic Leak Detector



The HIKMICRO Acoustic Leak Detector AD21 is a high-performance device designed for technicians and plumbers to find leaks in plumbing, water service, and residential or commercial properties. The device has four ranges of selectable digital bandpass filters, and the amplification is up to 80 dB. The filtration and amplification of the sound frequencies can help you locate the leakage points accurately. It can be widely used with the handheld sensor and pick-up sensor correspondingly. Furthermore, it can detect ignored leaks, reducing resource waste and property loss.

Key Feature

- Supports four ranges of selectable digital bandpass filters
- Frequency Range 150 Hz to 7500 Hz
- 1024 × 600 Resolution, 7"LCD Touch Screen
- Up to 11 hours continuous running

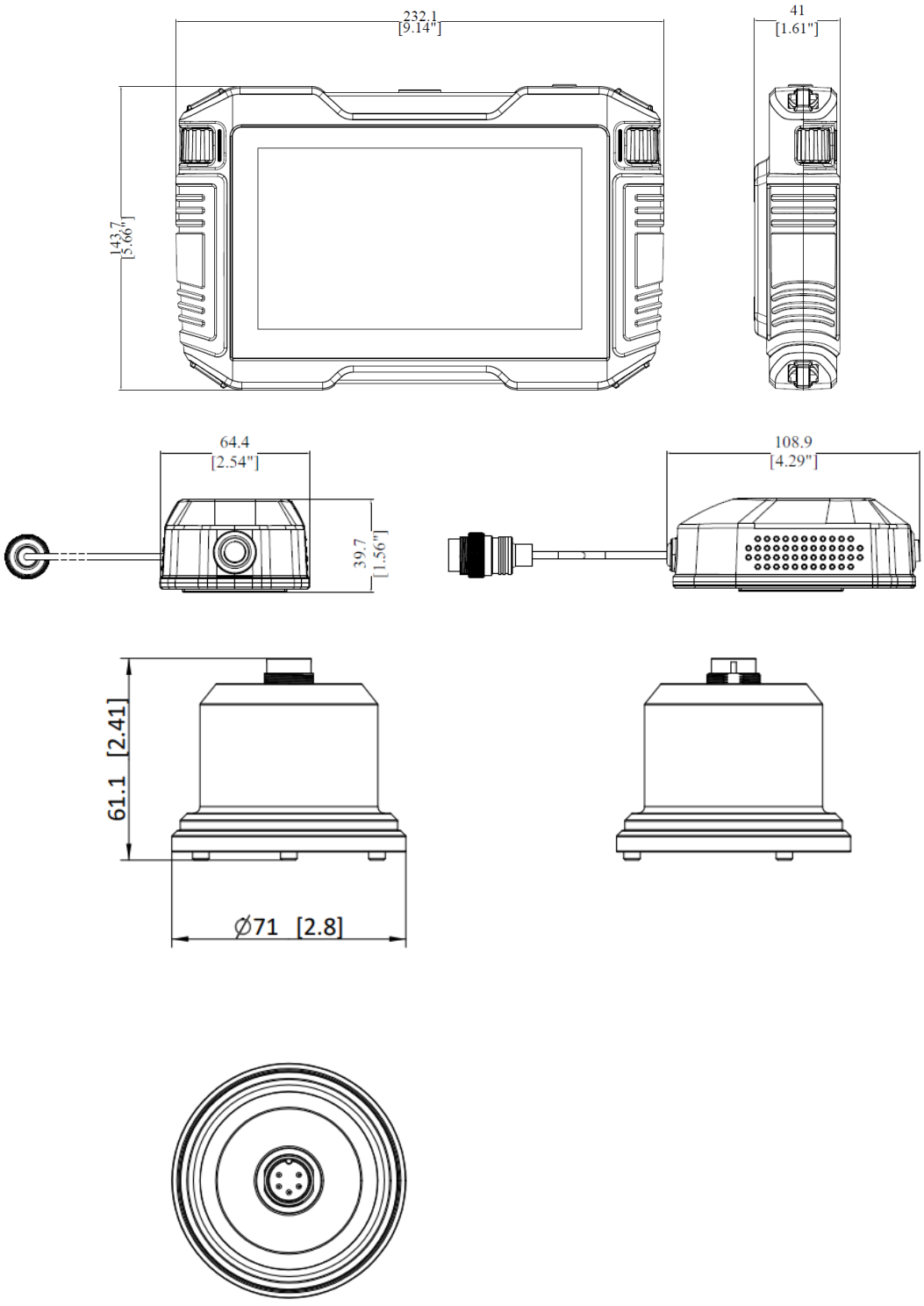
▪ Specification

Acoustic	
Frequency Range	150~7500 Hz
Signal Noise Ratio	60 dB
Sensitivity	-29dB, 70 mv/g
Sensor	hand held sensor, Pick-up sensor
Band Pass Filters	Indoor low frequency 150Hz to 3000Hz Indoor mid-frequency 3000Hz to 6000Hz Indoor high frequency 4500Hz to 7500Hz Indoor all-pass 150Hz to 7500Hz
Amplification	80 dB
Image Display	
Display	1024 × 600 Resolution, 7"LCD Touch Screen
Screen Brightness	Manual/Auto
Data Storage and Communication	
Storage Media	Built-in EMMC (4GB)
Audio Storage Capacity	Approx. 20 hours
Audio File Format	.wav
General	
USB Interface	USB 2.0, USB Type-C
EMC	EN55032:2015+A11:2020 EN50130-4:2011+A1:2014 EN61000-3-3:2013
Working Temperature Range	-10 °C to 50 °C (14 °F to 122 °F)
Drop Test Height	1.2 m(3.93 ft)
Weight	Main Unit: 821g(1.81 lb) Hand held sensor:239g(0.53 lb) Pick-up sensor:490g(1.08 lb) Headset:214g(0.47 lb) Standard package:3000g(6.61 lb)
Storage Temperature Range	-40°C to 70°C (-34°F to 142°F)
Relative Humidity	< 90 % non-condensing
Battery Type	Rechargeable Li-ion Battery
Battery Operating Time	≥11h
Battery Charging Time	3h to 90%, 6h to full charge
Protection Level	Main Unit: IP40; Hand held sensor:IP54; Pick-up sensor: IP66;

▪ Available Model

HM-AP21-AD21

▪Dimension



Unit: mm [inch]

HIKMICRO



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