

OL1 Technical specifications

Sensors

Number of microphones	24 digital MEMS microphones
Frequency	10 kHz to 80 kHz
Sensitivity	Contact for sensitivity charts
Operating distance	0.3m to >50m (1ft to >164ft)
Field of view	150° ± 5°

Acoustic measurement

Measurement range	0 dB to 110 dB (frequency independent)
dB gain	Auto gain adjustment
Frequency selection	User selection for lower and upper bound (FFT visible with display settings)
Sensitivity	Auto sensitivity adjustment
Performance (detection)	<p>In low noise industrial environment:</p> <ul style="list-style-type: none"> >0.481 lpm at 310 kPag from 4.25m (>0.017cfm at 45 psig from 14') >0.935 lpm at 690 kPag from 9.15m (>0.017cfm at 100 psig from 30') <p>For higher noise environments:</p> <ul style="list-style-type: none"> >0.481 lpm at 310 kPag from 3.20m (>0.017cfm at 45 psig from 10.5') >0.935 lpm at 690 kPag from 5.65m (>0.017cfm at 100 psig from 18.5')

Connectivity

Connection type	Cable-connected (USB-C)
Compatible with	Prosaris Leak Management App (available on Google Play)

Battery

Type	Rechargeable Li-Pol
Rating	Rated 3.7Vdc, 1.5Ah, maximum specified charge and discharge temperature 45°C
Life	8+ hours
Charging time	6 hours
Charging method	USB-C

General

Dimensions (H x W x L)	22mm x 95mm x 95mm
Weight (including battery)	300g (0.7 pounds)
Operating temperature	-20°C to +50°C (-4°F to +122°F)
Storage temperature	-20°C to +50°C (-4°F to +122°F)
Charging temperature	+4°C to +45°C (+39°F to +113°F)
Pollution degree	2
Operating environment	Wet location
Relative humidity	10% to 95% non-condensing
Ingress protection	Designed to IP54
Warranty	1 year
Supported languages	English

Safety

General safety	UL61010-1, 3rd Ed. 2019-07-19 CAN/CSA No. 61010-1-12, 3rd Ed. 2019-07-19 IEC 61010-1:2010, 3rd Ed. + AMD1: 2016
Electromagnetic Compatibility (EMC) international	IEC 61326-1: Portable Electromagnetic Environment CAN ICES-3(A)/NMB-3(A)
FCC	FCC 47 CFR Part 15, Subpart B – Verification ICES-003 Issue 6 January 2016
Battery	UL 1642 (except impact test and crush test)