

# PROSARIS

## OL1

A smart ultrasonic sensor that transforms your phone or tablet into a visual ultrasonic leak detector in compressed air, gas and vacuum systems. The OL1 in conjunction with the Prosaris Leak Management App (Google Play) gives you all the features and tools you need to help you develop an in-house leak management program. Calculate Flow, energy loss, financial and environmental impacts in real-time.



OL1 captures leak data and stores it along with pictures and location tags for easy tracking and record keeping.



OL1 using the smartphone's camera can visually scan a wider industrial area, and directs you to the source of the leak.



Prosaris Leak Locator app can calculate flow, energy loss and Financial and environmental impacts in real-time.



OL1 weighs less than 400 gms or 1lb and fits into a handy case making it the Ultimate Smart Leak Locator.



No special training or trained professionals are needed to find leaks in your facility with the Prosaris OL1.



Prosaris OL1 is a smart ultrasonic tool that offer the benefits of expensive sonic visualizers at the cost of auditory leak detectors.





	<p>Dimensions (mm)H x W x L : 22 x 95 x 95</p> <p>Weight (gms) : 300g (including battery)</p> <p>(lbs) : 0.7 lbs (including battery)</p> <p>Operating temperature (C) : -20°C to +50°C</p> <p>(F) : -4°F to +122°F</p> <p>Storage temperature (C) : -20°C to +50°C</p> <p>(F) : -4°F to +122°F</p> <p>Charging temperature (C) : +4°C to +45°C</p> <p>(F) : +39°F to +113°F</p> <p>Pollution degree : 2</p> <p>Operating environment : Wet location</p> <p>Relative humidity : 10% to 95% non-condensing</p> <p>Ingress protection : Designed to IP54</p> <p>Warranty : 1 year</p> <p>Supported languages : English</p>		<b>DEVICE</b>
	<p>Microphones : 24 digital MEMS microphones</p> <p>Frequency Range : Frequency Range: 10 kHz to 80 kHz</p> <p>Operating distance : Operating distance: 0.3m to &gt;50m (1ft to &gt;164ft)</p> <p>Field of view : Field of view : 150° ± 5°</p>		<b>SENSORS</b>
	<p>Measurement range : 0 dB to 110 dB (frequency independent)</p> <p>dB gain : Auto gain adjustment</p> <p>Frequency selection : User selection for lower and upper bound</p> <p>Sensitivity : Auto sensitivity adjustment</p> <p>Performance (detection) : In low noise industrial environment:</p> <ul style="list-style-type: none"> <li>• &gt;0.481 lpm at 310 kPag from 4.25m (&gt;0.017cfm at 45 psig from 14')</li> <li>• &gt;0.935 lpm at 690 kPag from 9.15m (&gt;0.017cfm at 100 psig from 30')</li> </ul> <p>: For higher noise environments:</p> <ul style="list-style-type: none"> <li>• &gt;0.481 lpm at 310 kPag from 3.20m (&gt;0.017cfm at 45 psig from 10.5')</li> <li>• &gt;0.935 lpm at 690 kPag from 5.65m (&gt;0.017cfm at 100 psig from 18.5')</li> </ul>		<b>ACOUSTIC MEASUREMENT</b>
	<p>Connection type : Cable-connected (USB-C)</p> <p>Compatible Medium : Android</p> <p>Compatible with : Prosaris Leak Management App (available on Google Play)</p>		<b>CONNECTIVITY</b>
	<p>Type : Rechargeable Li-Pol</p> <p>Rating : Rated 3.7Vdc, 1.5Ah, maximum charge and discharge temperature 45°C</p> <p>Life : 8+ hours</p> <p>Charging time : 6 hours</p> <p>Charging method : USB-C</p>		<b>BATTERY</b>
	<p>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</p> <p>Electromagnetic Compatibility (EMC) : IEC 61326-1</p> <p>Portable Electromagnetic Environment : CAN ICES-3(A)/NMB-3(A)</p> <p>FCC : FCC 47 CFR Part 15, Subpart B – Verification ICES-003 Issue 6 January 2016</p> <p>Battery : UL 1642 (except impact test and crush test)</p>		<b>SAFETY</b>