

ULD-405 Series Ultrasonic Leak Detector

Find costly leaks in active compressed air systems

Easy inspection and troubleshooting

A diagnostic tool that hears what you can't. When equipment begins to fail due to an air leak or vibration, the leakage point emits an ultrasonic sound wave that is above the natural range of human hearing. The ULD-405 Ultrasonic Leak Detector converts this ultrasonic sound into a signal that can be used to pinpoint the exact location of the equipment failure. Find air leaks that drop down performance and incur additional power consumption, requiring more energy to compensate lost pressure. See the strength of the leak clearly on the large LCD bargraph and identify the source of the leak by listening to the converted audible sound emitted via the earbuds.



ULD-405
Ultrasonic Leak
Detector



Product comparison

	Amprobe ULD-405	Amprobe ULD-300	Reed	Superior Accutrack	Tracerline
MSRP	\$599	\$415	\$99	\$465	\$499
Frequency Response	20 kHz - 90 kHz	35 kHz - 45 kHz	40 kHz	36 kHz - 42 kHz	36 kHz - 44 kHz
Receiver Display	2.5 in LCD	LED bargraph	Single Leak LED	LED bargraph	LED bargraph
Receiver Extensions	Tubular extension and parabola	Tubular extension and parabola	–	–	Tubular extension
Transmitter	–	–	Yes	–	Yes
Sensitivity Adjustment	8 levels	Analog sliding scale	2 levels	Analog sliding scale	–

Features

- 2.5" LCD display with bargraph
- 20 kHz to 90 kHz frequency range: optimal range for detecting a variety of leakage events
- Adjustable Receiver sensitivity for accurate leak pinpointing
- Hardhat earbuds to help identify the source of the leak
- Parabola accessory directs the ultrasound towards the sensor
- Detachable Tubular Extension provides additional reach in hard to reach areas

The ULD-405 is ideal for inspecting:

- Compressed air or other gases*
- Plumbing
- Electrical and mechanical systems
- Valves, tanks and pipes
- Heat exchangers, boilers and condensers
- Air conditioning and refrigeration systems
- Motors and machinery

* Do not use ULD-400 for combustible gas leak detection. The Amprobe GSD600 can be used for propane and methane gas leak detection.



Vertical Industries

	ULD-405
HVAC Contractors	Compress Air & Pneumatic Systems
Services (Auto-repairs, shops, brake & tire shops)	Steam and Gas Lines
Machinery and Appliances Manufacturing	Breaking Systems on Trains & Trucks
Plastic, Glass and Rubber Manufacturing	Refrigeration Units using Vortex Tube
Transportation (Underground, Maritime and Aerospace)	Plastic Injection Mold Machinery
Utilities (Gas)	Sandblasting Equipment

Safety Certification



All Amprobe tools, including the Amprobe ULD-405, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.



Find leaks easily in active compressed air systems



Precision accessories help troubleshoot exact leak location



Visual and audible leak pinpointing

Order Information

Model	Description	Order No.	UPC Code	Harmonized Code	ECCN No.	Country of Origin
ULD-405	Ultrasonic leak detector	5236025	195112009185	9030.33.3400	3A992	China

Dimensions

	Length	Width	Height	Weight
ULD-405 (Receiver)	7.5 in (19 cm)	3 in (7.6 cm)	1.7 in (4.4 cm)	0.58 lb (0.26 kg)
Package	14.6 in (37 cm)	9.4 in (24 cm)	10.2 (26 cm)	4.4 lb (2 kg)

Included in the ULD-400 Series Kits

	ULD-405	ULD-410	ULD-420
ULD-400-R Receiver	–	1	1
ULD-400-T Transmitter	–	–	1
ULD-405 Receiver	1	–	–
Headphones	–	1	1
Earbuds (for use with hard hat)	1	1	1
PB-1 Power Parabola	1	1	1
TEA-1 Flexible Tubing Adapter	–	1	1
TE-1 Tubular Extension	1	1	1
CC-ULD-400 Hard Carrying Case	–	1	1
CC-6000 Soft Carrying Case	1	–	–
AA Batteries (Receiver)	4	4	4
AAA Batteries (Transmitter)	–	–	2
User Manual	1	1	1



ULD-405



ULD-410



ULD-420