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TECHNOLOGY GROUP

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MINITRACER®

LEAK DETECTOR

LHHLD-1000

A sensitive, precise leak detector designed for simple operation and exact identification of system leaks in lab and industrial applications.



PORTABILITY. Utilizing thermal conductivity to pinpoint gas leaks from pressurized systems, the highly-sensitive MINITracer® Gas Leak Detector offers precise detection of gas leaks from pressurized systems. From controls that allow users to select hi/lo sensitivity settings, to a probe tailored to both reach confined locations and determine exact leak sites, the MINITracer offers precise leak detection in a portable design.

SIMPLE OPERATION. Without soap solutions that can cause system contamination, the MINITracer's probe passes over the leak and a sample is drawn into the thermal conductivity cell. When a leak is detected a signal is registered on the meter and/or an audible signal is emitted.



FEATURES

- High signal-to-noise ratio sustains maximum usable sensitivity
- Dual power source: battery-operated or 115V
- Solution/soap-free detection eliminates system contamination
- Simple operation
- Convenient padded carrying case

PRODUCT SPECIFICATIONS

DETECTOR	Thermal conductivity cell with thermistors
VISUAL READOUT	LED Bar Graph featuring adjustable brightness; Peak hold with settable duration
BATTERY LIFE	7-8 hour duration; Recharged to 95% of capacity in 1 hour; Low battery indicator; Very low battery shutdown
RANGES	Low: x1 High: x100; Adjustable sensitivity for low and high ranges; Time Constant/Average
WEIGHT	Instrument: 1.05 lbs (476 grams); Charger: .61 lbs (277 grams)
DIMENSIONS	5.25" L x 3.25" W x 1.81" H (20.95 x 4.60 x 13.34 cm)
AUDIO SIGNAL	Audible alarm with adjustable setpoint and volume
PUMP	Diaphragm type; Pump speed control
BATTERY	Rechargeable Ni-Cd, 7.36 V, 800 mAh
LINE VOLTAGE	115V, 60 Hz
ZERO	Manual with drift elimination
OPERATING TEMP	70 F x/ -20 F (21 C +/- 11 C)

SENSITIVITY		
HELIUM	1.0×10^{-5} cc/sec	0.012 ft^3/yr
ARGON	1.0×10^{-4} cc/sec	0.110 ft^3/yr
CO_2	1.0×10^{-4} cc/sec	0.123 ft^3/yr
REFRIGERANT	1.0×10^{-4} cc/sec	0.123 ft^3/yr
40% H_2/60% HE	1.0×10^{-5} cc/sec	0.012 ft^3/yr

CAUTION: The MiniTracer is NOT designed to be used to determine leaks of combustible gases.

INDUSTRIAL APPLICATIONS

- TESTING & QUALITY CONTROL
- VALVES & MANIFOLDS
- WELDS, SEAMS & JOINTS
- PRESSURE REGULATORS
- COMPRESSION FITTINGS
- HIGH PRESSURE VESSELS
- HIGH PRESSURE GAS LINES
- REFRIGERATION & AIR CONDITIONING

LAB APPLICATIONS

- GAS CHROMATOGRAPHS
- PURGE & TRAP SYSTEMS
- INJECTION PORTS/SEPTA
- COLUMN & DETECTOR FITTINGS
- GAS PURIFIERS & TRAPS
- MASS FLOW CONTROLLERS
- CYLINDER CONNECTIONS
- TUBE FITTINGS

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