



Model 8068

Multigas Leak Detector



Description

The MATHESON Model 8068 is a universal gas leak detector specially designed to locate and measure a wide variety of gas leaks. It sees widespread use throughout industrial, laboratory, medical and research applications.

Calibration data for 30 gases are stored in memory. The 8068 device uses thermal conductivity to detect gases. The large color LCD is used with a simple keypad for intuitive entry of parameters. In operation, the color LCD provides a detail-rich display of the detected signal, together with an audible alarm and LED indicators.

The 8068 is equipped with sensitivity ranges of high, medium, and low, and the instrument will zero on start-up. Also included is a unique peak-hold function which retains the highest leak rate detected as the probe is passed through the suspect leak area.

Gases Detected

The 8068 continuously samples through the probe tip into the detector. A micro volume thermistor conductivity cell, located in the front end of the unit for fast response times, detects any gas having a different thermal conductivity than the ambient atmosphere. Target gases can be easily selected in the main menu.

Gas	Gas Group	Sensitivity cc/sec
Hydrogen	1	3.2 E-6 cc/sec
Helium	1	5.0 E-6 cc/sec
Argon	4	3.3 E-5 cc/sec
Carbon Dioxide	4	2.8 E-5 cc/sec
Propane	4	3.1 E-5 cc/sec
Ethylene	4	4.7 E-5 cc/sec
Ammonia	2	1.4 E-5 cc/sec
Ethylene Oxide	3	2.4 E-5 cc/sec
R134A	2	1.4 E-5 cc/sec
Methane	3	2.0 E-5 cc/sec
Sulfur Hexafluoride	1	7.2 E-6 cc/sec

Specifications

Detection Principle:	Micro thermal conductivity
Power Source:	Rechargeable Li-ion Batteries
Operating Time:	20 Hours
Response Time:	1 Second
Recovery Time:	5 Seconds
Operating Temperature:	32 to 122° F (0 to 50° C)
Storage Temperature:	-4 to 113° F (-20 to 45° C)
Dimensions:	3.2L x 12.6W x 2.2D (inches) (81.28mm x 320.04mm x 55.88mm)
Weight:	1 lb.
Warranty:	One year



Ordering Information

Model	Description
8068	Multigas Leak Detector complete with 20cm flexi probe, rechargeable Li-ion batteries, box spanner, USB cable, Mains plug with EU, UK, US and AUS adapters and hard shell carrying case