MiniRAE 2000 Portable Photoionization Detector

RAE

Prod # 1540

The **MiniRAE 2000** is an extremely versatile and portable instrument for measuring airborne ***Volatile Organic Compounds*** (VOCs). The RAE Photo-Ionization Detector (PID) offers increased sensitivity, reduced humidity interference, and quick response times. Measure total VOCs or use built-in correction factors to measure specific VOCs.

Features:

- PID sensor with 0 - 10,000 ppm range
- Use in *Survey mode* for instantaneous readings or in *Hygiene mode* for data logging
- Field-replaceable battery
- Strong, built-in sample draw pump; sample up to 30 metres (100 feet)
- 102 built-in correction factors from a RAE list of 250+ chemicals
- Display concentrations in ppm or mg/m^3

Typical Applications:

- Air pollution measurements
- Leak detection
- Head space analysis
- Spill response
- Walk-through surveys
- Confined space monitoring
- Industrial hygiene and IAQ monitoring

Specifications:

Detector	: PID sensor w/ 10.6eV UV lamp
Readout	: Instantaneous, average, STEL & peak value, battery voltage, elapsed time
Accuracy	: ± 2 ppm or 10% of reading <2000 ppm
	: ± 20% of reading >2000 ppm
	Calibrated to 100 ppm isobutylene
Power	: Nickel metal hydride battery pack (external) -- 10 hours continuous power
Alarms	: 90dB buzzer & flashing red LED
Data Logging	: 15,000 points with time/date
Communication	: Download data or upload instrument setup via RS-232 to serial port
Operating Conditions:	
	Temperature -10°C to +40°C
	Relative Humidity 0% to 95%
Dimensions	: 21.8 cm x 7.6 cm x 5 cm (8.2" x 3" x 2")
Weight	: 550 g (19.5 oz.) with battery pack

Standard Accessories:

- automatic battery charger
- remote access probe