

Portable Gas Leak Detector

A Portable Gas Leak Detector for the measurement of ____ (Specify Gas or Gases) _____ shall be provided and utilize smart electrochemical sensor technology. The gas sensors shall be interchangeable, enabling easy changing and switching for up to 60 different gas types or ranges within a gas. Sensors shall contain an embedded memory chip for storage of calibration data and gas type information and be designed to easily insert into the gas detector without the use of tools, being keyed for correct placement into the detectors' sensor connector socket.

The Gas Leak Detector shall contain an internal sample pump and a quick connect/disconnect receptacle for attachment of a 10" flexible Teflon lined extension sampling wand. Power is supplied by rechargeable NiMH D cell battery or by standard alkaline D cell.-up.

The digital display shall be back-lit touch-sensitive color graphics LCD and indicate; gas type and concentration, unit of measurement, full scale range, caution warning & danger setpoints and pump trouble alarm. All programming shall be via soft-keys on the display and provide the user the ability to select data logging range, change setpoints, apply dampening (averaging), and adjust the pump flow rate. A USB output shall be provided to transfer stored gas values and a USB cable shall be provided with the unit. The data logger shall be capable of storing gas values at intervals of 10 seconds up to 1 hour and provide 4 Gb of on-board memory for virtually unlimited data storage.

The Portable Gas Leak Detector is to be the Model D16, PortaSens II manufactured by Analytical Technology, Inc. and is to be provided with; a 10" Teflon lined sampling wand, spare filters, flowmeter, USB output cable and carrying case. An optional NiMH D cell battery charger shall also be supplied.
