

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 30 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 draw pump and a quick connect/disconnect receptacle for attachment of a 10" flexible Teflon lined extension sampling wand and to be powered internally via a rechargeable Nicad battery with an additional "D" battery to be provided as back-up.

The digital display shall be back-lit graphics liquid crystal (LCD) and indicate; gas type and concentration, unit of measurement, full scale range, caution warning & alarm setpoint and pump trouble alarm. The display shall be programmable via membrane switches located on the front panel and provide the user the ability to select range, change setpoints, apply dampening (averaging), change decimal point, change calibration and program the data logging feature.

An RS-232 output shall be provided to indicate stored gas values for up to 12,000 data points through the on-board data logger and 0-1 VDC for current gas values. The data logger shall be capable of storing gas values every 1, 5, 10, or 15 minutes and be provided with Windows 95, Windows 98, and Windows 2000 compatible software on a CD ROM. An RS-232 cable shall be supplied for connection to a computer.

The Portable Gas Leak Detector is to be the Model C16, PortaSens II manufactured by Analytical Technology, Inc. and is to be provided with; a 10" Teflon lined sampling wand, wall adapter battery charger, spare filters, flowmeter, RS-232 output cable and carrying case.
