

MODEL C-5

HANDHELD OXYGEN ANALYZER WITH INTERNAL PUMP

Electrochemical Fuel Cell / 0.1 - 25% Range

OXYGEN ANALYSIS DOESN'T HAVE TO BE COMPLICATED OR EXPENSIVE



-  Low Cost
-  Digital Display of 0 - 25% Oxygen
-  Rugged, Battery Powered & Handheld
-  Calibrates in Ambient Air
-  Particulate and Moisture Filters
-  Fast Response Time

Inexpensive Versatile Instrument

The C-5 is a battery powered, handheld oxygen analyzer with internal pump that is rugged and compact enough to be carried in a briefcase or toolbox. The internal pump of the C-5 draws a sample and the analyzer quickly provides an easy-to-read digital LED display of 0 - 25% oxygen with 0.1% resolution. The versatile, inexpensive C-5 is equally suited on the production floor, in research labs or for tuning combustion processes.

Two Sampling Modes

The C-5's internal pump draws the sample to the oxygen sensor for analysis. The C-5 features two sampling modes selected by a 3-way OFF, ON, CAL switch. The timed mode ON provides for repeatability in multiple samples and maximizes battery life. The C-5 draws a sample for 20 seconds and holds the display for 30 additional seconds. In its continuous mode CAL, the C-5's pump draws a sample and displays its oxygen concentration continuously.

Easy to Maintain

An integral moisture trap and line filter protect the oxygen sensor from potential contaminants. The inexpensive, disposable oxygen sensor calibrates with ambient air and is simple to replace. The C-5 is powered by 4 "AA" batteries.

High Purity Welding

The C-5 is ideally suited for high purity welding. An oxygen analyzer, like the C-5, is the only way to accurately measure low concentrations of oxygen in purged tubing and pipes in high purity weldments.

Sensor	Electrochemical fuel Cell Life: 9 - 16 months Sensor Guarantee: 6 months from date of shipment Calibration Gas: Ambient Air Calibration Period: Weekly (typical)
Measurement Range	0 - 25% oxygen by volume
Resolution	0.1% oxygen
Display	0.4" LED
Response Time	90% of step change in less than 15 seconds
Intrinsic Error (accuracy)	0.2% oxygen
Repeatability	0.1% oxygen
Warm-up	Instantaneous
Sampling	Built in stainless steel sample probe Integral particulate and condensate filter
Enclosure	Material: Molded High-Impact Plastic Size: 5.5" x 3.5" x 1.5" Weight: 1 lb. with sensor cell and batteries
Power	4 AA alkaline dry cells; Low Battery Warning Light
Oxygen Sensor	The Neutronics oxygen sensor is a small diffusion limited, fuel cell that converts oxygen concentration by volume directly into low level electrical current. Using a capillary as the diffusion interface provides for a sturdier sensor with better temperature and pressure coefficients than membrane type oxygen cells. The size of a "C" cell flashlight battery, our oxygen sensor is inexpensive, disposable and unaffected by most background gases.

NTRON

456 Creamery Way • Exton, PA 19341 USA
Phone: 610-524-8800 Fax: 610-524-8807
info@neutronicsinc.com • www.NeutronicsInc.com