



MODEL 65 PERCENT OXYGEN

AFFORDABLE PERCENT MEASUREMENTS FOR NON-FLAMMABLE GASES

The **MODEL 65** is a Percent Oxygen Analyzer for non-flammable gases in a general purpose environment. The unit functions as a standalone sensor and utilizes zirconium oxide sensor technology to deliver reliable readings that are not affected by barometric or temperature changes.

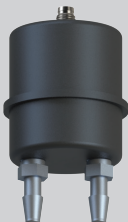
AVAILABLE CONFIGURATIONS



DIFFUSION
SCREEN



COMPRESSION
FITTINGS



BARBED
FITTINGS

COMMON APPLICATIONS

- ▶ AIR SEPARATION
- ▶ AEROSPACE
- ▶ INDUSTRIAL PROCESSING

PERCENT OXYGEN PROBE

The **MODEL 65** Percent Oxygen Probe is designed for measuring percent oxygen levels exclusively in NON-FLAMMABLE gases. It will provide a very accurate, stable, long life, linear analog output signal over a preconfigured range of 0-25%, 0-50% or 0-95% of oxygen. The **MODEL 65** is simple to mount indoors or outdoors and extremely accurate and stable over a wide temperature range, as well as being immune to changes in barometric pressure.

INCREDIBLE VALUE

The unit contains a unique zirconium oxide oxygen sensor that gives the probe up to a 10-YEAR LIFE expectancy, making it virtually maintenance-free. It is designed for easy integration into an operator's system and functions as a standalone oxygen sensor, making it a perfect fit when more costly alarms and controls are not required.

IDEAL OEM SOLUTION

The **MODEL 65** is a perfect fit for OEM applications, requiring measurement of percent oxygen levels in inert gases, such as gas blanketing systems, nitrogen or oxygen generators, refrigeration units and many others. At only 2.0" long x 2.2" in diameter (51mm x 56mm), this dependable, rugged, compact probe can be mounted virtually anywhere.

MODEL 65

PHYSICAL & ELECTRICAL SPECIFICATIONS

WEIGHT	INSTALLATION	GAS CONNECTION OPTIONS
< 1.0 lbs (0.5 kg)	Integrated as a Standalone Oxygen Sensor	Diffusion screen, ¼" ID tubing for Barbed Fittings, or ¼" compression fittings
POWER		
12 – 24 VDC, 500 mA max		



Note: 2-year Warranty for Parts & Labor for any defects in materials or workmanship. 2-year Warranty for zirconium oxide sensors

OPERATIONAL SPECIFICATIONS

MEASUREMENT RANGES (SPECIFIED AT TIME OF PURCHASE)	ANALOG OUTPUT (SPECIFIED AT TIME OF PURCHASE)	AMBIENT OPERATIONAL TEMPERATURE	GAS PRESSURE	RECOMMENDED FLOW RATE
0 - 25.0% 0 - 50.0%	0 - 2.5 VDC or 4 - 20 mA	14°F to 122°F (-10°C to 50°C)	17 psig max	0.1 to 5.0 SCFH (0.05 – 2.3 Lpm)
0 - 95.0%	0 - 4.0 VDC or 4 - 20 mA			

SENSOR & ANALYZER PERFORMANCE SPECIFICATIONS

ZIRCONIUM OXIDE SENSOR	REPEATABILITY	OPERATIONAL CONDITIONS
Up to a 10-year life, sensor life is slightly shorter if continuously measuring oxygen > 21%	±1% of range or ±0.2% of oxygen, whichever is greater	Pollution degree 2, Installation Category II

ADDITIONAL INFORMATION

INCLUDED ACCESSORIES	6 ft Cable	Mounting Bracket

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