GPR-3100 O2 PURITY ANALYZER

High purity oxygen analyzer for measuring medical grade O2 from 90-100% utilizing an advanced electrochemical sensor. Analyzer features three (3) suppressed ranges

- **50-100%**
- **80-100% and**
- **90-100%**

and a 24 month operating sensor life. Menu driven controls, all stainless steel sample system, the integral temperature controlled heater system and barometric pressure compensation provide superior stability and accuracy.

TECHNICAL SPECIFICATIONS

***Accuracy:**	Inherent accuracy of 0.1% following calibration with 95-100% oxygen	**Analysis:**	0-100% and 50-100%, 80-100%, 90-100 suppressed ranges
Application:	Oxygen purity levels up to 100%	**Approvals:**	CE
Area Classification:	General purpose	**Alarms:**	2 adjustable form C relay contacts non-latching; “weak sensor” indicator; power failure/system failure
Calibration:	Certified gas of O2 balance N2 approximating 95-100%	**Compensation:**	Barometric pressure and temperature
Connections:	Compression tube fittings 1/8” inlet; 1/4” vent	**Controls:**	Menu driven range selection, calibration, alarm and system functions
Data Acquisition:	Selectable data point intervals	**Display:**	Graphical LCD 5 x 2.75; resolution .01%
Enclosure:	Painted aluminum 7.5” x 10.8” x 12.25” panel mount	**Flow**	1-2 SCFH recommended
Linearity:	> .995 over all ranges	**Pressure:**	Inlet – 5-30 psig; vent – atmospheric
Power:	Specify 100/120 or 220/240 VAC	**Response Time:**	90% of final FS reading < 13 seconds
Sample System:	Flow control, flow indicator, integral PID temperature controller	**Sensitivity:**	0.1% oxygen
Sensor Model:	GPR-11-120-OP – requires no maintenance	**Sensor Life:**	24 months in 100% oxygen at 25ºC and 1 atm
Signal Output:	4-20mA isolated, 0-5 VDC and 0-1 VDC	**Temp. Range:**	5º to 45ºC
Warranty:	12 months analyzer; 12 months sensor	**Wetted Parts:**	316 stainless steel

*At constant temperature and pressure

Optional Equipment	
Pressure Control	Pressure regulator to control sample flow in varying sample pressure conditions
Mounting	19 rack, panel or wall mount enclosure

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