



PI2-UHP-50 AND PI2-UHP-100 2ND GENERATION PPB O2 ANALYZER

PI2-UHP-50/100 PPB O2 analyzer, 0-50 PPB low range with LDL <0.1 PPB for checking purity of ultra-high purity inert gases in the semi-conductor industries, Features

- proprietary Pico-Ion O2 sensor
- LDL less than 0.1 PPB
- 15 months operating sensor life, no periodic maintenance
- integral temperature control heated enclosure
- menu driven controls
- fully automated auto-zero, auto-cal
- USB or RS-232 access
- integral data logger
- stainless steel all welded sample system



TECHNICAL SPECIFICATIONS

*Accuracy	+/-3% of reading or 0.25 PPB at constant conditions	Analysis:	0-50 ppb, 0-1 ppm, 0-10, 0-100 ppm
Application:	Analysis in ultra-high purity inert gases and H2	Area Classification:	General purpose
Alarms:	2 user adjustable oxygen set-points, "weak sensor", power failure	Calibration:	Certified 5-8 ppm O2 balance N ₂
Compensation:	Barometric pressure and temperature	LDL:	< 0.1 PPB
Controls:	Menu driven range selection, calibration, alarm and system functions	Data Acquisition:	Selectable data point intervals
Display:	Graphical LCD 5 x 2.75; resolution 0.1 ppb	Enclosure:	Painted aluminum 13.9" x 9.9" x 13.4"
Flow Rate:	1-2 SCFH recommended	Linearity:	> .995 over all ranges
Pressure:	Inlet – 20-50 psig; vent – atmospheric	Power:	100-240 VAC
Recovery Time:	Exposure to 9 ppm for 1 min to less than 10 ppb in 15 minutes	Response Time:	90% of final FS reading < 60 seconds
Sample System:	Pressure regulator, Pneumatic valves, sample, span gas inlets, bypass and sensor isolation valves, integral zero scrubber. Face Seal gas connections.	Connections:	Sample and span inlet – 1/4" Face Seal, air inlet and sample vent – 1/4" compression fittings
Sensor Model:	GPR-13-2000UHP-2/2E	Sensor Life:	12 months at 25°C and 1 atm
Signal Output:	4-20 mA isolated, 0-5 V DC and 0-1 V DC	Operating Range:	5° to 45°C
Warranty:	12 months analyzer; 12 months sensor	Wetted Parts:	316L stainless steel

*At constant temperature and pressure



Analytical Industries Inc.
Advanced Instruments Inc.

Optional Equipment

GPR-13-2000 UHP-H-2/2E

Sensor for hydrogen and helium applications

Mounting

19 rack mount