Advanced Instruments Inc.

Technical Specifications *

Accuracy:	< 2% of FS range under constant conditions
Analysis Ranges:	0-10 PPM, 0-100 PPM, 0-1000 PPM, 0-1%, 0-25% (CAL) FS Auto-ranging or manual lock on a single range
Application:	Oxygen analysis down to 0.1 PPM in inert, helium, hydrogen, mixed and acid (CO_2) gas streams
Area Classification:	General purpose
Calibration:	Certified gas of O_2 balance N_2 approximating 80% of range of analysis or one range higher
Compensation:	Temperature
Connections:	1/8" compression tube fittings
Controls:	Water resistant keypad; menu driven range selection, calibration and system functions
Display:	Graphical LCD 2.75 x 1.375"; resolution .01 PPM on 0-10 PPM range
Enclosure:	Painted aluminum NEMA 4X, 8.6 x 9 x 3", 12 lbs.
Flow Sensitivity:	None between 0.5-5 SCFH, 2 SCFH recommended
LED Indicators:	LOW BATT (72 hr. warning); CHARGE mode
Linearity:	> .995 over all ranges
Pressure:	Inlet - regulate to 5-30 psig; vent - atmospheric
Power:	Rechargeable battery, 60 day duty cycle (pump 8 hours)
Recovery Time:	60 seconds in air to < 10 PPM in < 1 hr on N_2 purge
Response Time:	90% of final FS reading in 10 seconds
Sample System:	Flow control and sample/bypass valves; flow indicator
Sensitivity:	< 1% of FS range
Sensor Model:	GPR-12-333
Sensor Life:	24 months at 25ºC, 1 atm with average O_2 < 1,000 PPM
Signal Output:	0-1V FS
Temp. Range:	5º to 45ºC (GPR sensor), -20º to 45ºC (XLT sensor)
Warranty:	12 months analyzer; 12 months sensor
Wetted Parts:	Stainless steel

Optional Equipment

XLT-12-333 sensor for analysis of a gas mixture with > 0.5% CO_2

PI-2166-4 Integral sampling pump

CC-1047 Carrying case with custom foam insert

Sample conditioning accessories - contact factory

* Subject to change without notice.

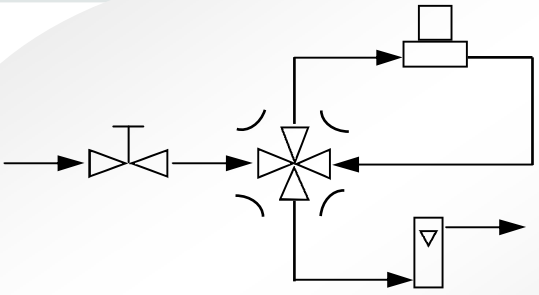
GPR-1200 GP

Portable PPM O_2 Analyzer

Battery Powered PPM Oxygen Analyzer

Advanced Long Life Sensor
Recovers from Air < 1 Hour
Bypass Sample System
Stainless Steel Wetted Parts

ISO 9001:2008 QA System
INTERTEK Certificate No. 485



Integral bypass sample system significantly increases user productivity. The bypass valve isolates the sensor from high oxygen levels when changing sample lines. Maintaining low PPM oxygen levels allows the user to move from point to point without waiting.

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