Oxygen Analyzer





Yellow Box Portable Oxygen Analyzer

Compact, robust, and transportable, the Yellow Box delivers a versatile analyzer for high accuracy oxygen measurement.

The same elite engineering behind the Microx oxygen analyzer, brings you Yellow Box for line-powered primary instrumentation verification across an extensive range of applications.

Three discreet and independent sensors offer the flexibility of ppm or % oxygen measurements, and for ease-of-use and measurement accuracy, Yellow Box houses an in-built flow indicator.



Yellow Box 300 model pictured

Highlights

- Measurement range from 0...1000 ppm_V up to 0...96 % O₂
- Long-life, quick-response zirconia technology
- Optional flow indicator for positive pressure sample flow
- Battery-powered configuration option

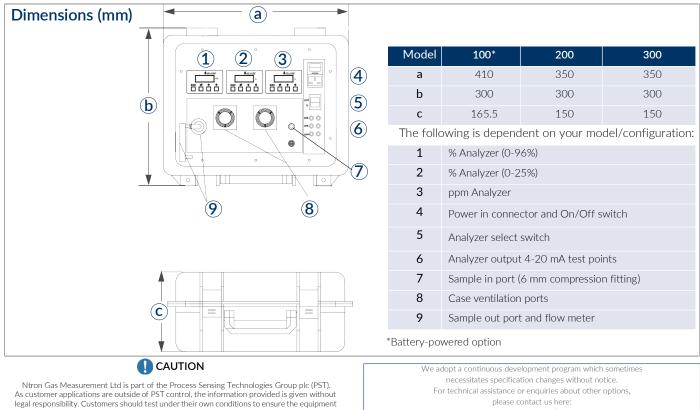
Applications

- Verification of primary instrumentation
- N₂ and O₂ generators
- Industrial gas
- Medical gas
- Pharmaceutical



Technical Specifications

| Sensor | Model | | |
|-----------------------------------|--|--------------------------------|---------------------------------------|
| Zirconia (ZR) | 100 | 200 | 300 |
| Measurement Range | 01000 ppm _V , 025 % | 01000 ppm _V , 025 % | 01000 ppm _V , 025 %, 096 % |
| Output Resolution | | 1 ppm _V or 0.01 % | |
| Lower Detection Limit (LDL) | 1 ppm _V or 0.01 % | | |
| Pressure Range | Up to 2 barg (29 psig) internal preset | | |
| Response Time (T90) | < 15 seconds @ 25 °C (77 °F) within selected range | | |
| Operating Temperature Range | -25+60 °C (-13+140 °F) | | |
| Life Expectancy | Up to 5 years | | |
| Humidity | 095 %rh non-condensing | | |
| Shelf Life | Unlimited | | |
| Analyzer | | | |
| Electrical (per analyzer channel) | | | |
| Output Signal | 420 mA | | |
| Power Supply | 85264 V AC (50 / 60 Hz) | | |
| Maximum Power Consumption | 8 W | 4.8 W | 9.6 W |
| Mechanical | | | |
| Sample Connections | Sample in: 6 mm or 1/4" 'bulkhead' tube compression fittings | | |
| Flow Rate | 500 ml/min | | |
| Internal Regulation | 0.2 MPa (Up to 2 barg / 29 psig) Sample pressure and flow set at 0.03 MPa (0.3 barg / 5 psig); 0.55 SCFH (250 ml/m) | | |
| | | | |
| Ingress Protection | IP67 when case closed for transportation | | |
| Housing Material (case) | High impact co-polymer polypropylene | | |
| Compliance | | | |
| EMC: EN 50270, UKCA | | | |



is suitable for the intended application(s).

please contact us here: