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Product Name :
Oxygen Analyser

Product Code :
LBNY-0005-1650009



Description :

The Oxygen Analyser measures oxygen concentrations from percentage levels to a fraction of parts per million (ppm) in clean gases. The unique cell and heater design gives very fast warm-up times, rapid response, and long sensor life. Packaged on a 19 rack mounting enclosure, it uses an oxygen sensor to provide accurate measurement with minimal interference from other gases.

Technical Specification :

1. Display: Multi-digit LCD, character height 12.7mm
2. Range: 0.1ppm to 100% oxygen, autoranging
3. Display resolution:
From 500ppm to 4999ppm: 10ppm
From 50ppm to 499ppm: 1ppm
From 5ppm to 49.9ppm: 0.1ppm
From 10% to 100%: 0.1%
From 0.5% to 9.99%: 0.01%
From 0ppm to 4.99ppm: 0.01ppm
4. Accuracy
100% to 100ppm: 2% of reading or better
0.1ppm to 9.9ppm: 0.2ppm
99ppm to 10ppm: 1ppm
5. Stability
Better than 2% of reading or 0.5ppm/month, whichever is greater
6. Sample flow

Levels from 100 to 10ppm: less than 5s for 90% change
Levels less than 100ppm: less than 30s for 90% change
Between 100 and 300ml/min for optimum operation
% levels: less than 0.5s for 90% change
Speed of response in clean inert atmospheres
When the cell is stabilised/conditioned at low levels, response to changes at that level is of the order of 3 to 4s
Sample inlet pressure (no pump fitted)
10mbar minimum
8bar maximum
Sample temperature (at analyser)
100C maximum
Sample connection (located on back panel of unit)
Captive seal compression fitting suitable for 0.25inch (6mm) outside diameter tube
Sampling system materials
Materials include: nickel, brass, aluminium, stainless steel, platinum, zirconia, alumina, PTFE and nitrile-rubber.

7. Analogue outputs
Each user-programmable between 0 100% to 0 5ppm
Standard: 0 to 5V
Optional: 4 to 20mA

8. Alarm outputs
2 Alarms: each user-configurable to OFF, HIGH or LOW status
Volt-free changeover relay contacts rated 48V ac or dc, 0.5A, normally-energised
Hysteresis programmable from 0 to 10% of set-point
Ambient temperature: 45C maximum

9. Mounting: 19 Rack-mounting enclosure 3U high and 270mm deep

10. Power supply: 110/120V, 50/60Hz at 80VA max, 220/240V, 50/60Hz at 80VA max.



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