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Product Name :
Spectro Analyser

Product Code :
LBNY-0005-1650005



Description :

The analyser is based on a specially designed Pyrex quartz ionisation cell in which the sample gas flow is ionised in a high voltage alternating electrical field with consequential emission of light. The instrument has ranges of both 0-10 & 0-100 vpm with a sensitivity of less than 1 vpm. A narrow spectral band corresponding to one of the specific light emission wavelengths of nitrogen is filtered by a narrow band-pass composite interference filter and then detected by a photomultiplier tube.

Technical Specification :

Ranges: 0-10 vpm and 0-100 vpm Nitrogen in Argon
Sensitivity: Less than 1 vpm
Zero drift: Less than 0.1 vpm per °C
Display: Analogue meter
Cycle/response time: Continuous/90% within 60 secs
Limit of detection: Less than 1 vpm
Accuracy: Depending on calibration gas available as it is a comparative method that is employed
Sample inlet pressure: Optimum 0.35 to 1.05 bar g; maximum 3.5 bar g
Sample outlet pressure: Maximum 0.15 bar g
Sample flow rate: 2 litres per minute
Sample pipework: 6mm or 1/4 OD stainless steel and PTFE
Sample inlet temperature: 10°C minimum, 30°C max.
Alarm contacts: Adjustable high and low alarms with both normally open and closed voltage free contacts rated at 250V, 5A, AC non inductive
Analogue output: 4-20 mA and 0-100 mV

Electrical supply: 110/220V, 60 Hz or 220/240V, 50 Hz single phase.



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