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TECHNOVATION ANALYTICAL INSTRUMENTS PVT. LTD.

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ISO 9001:2015



Cert. No. QMS0720020347

MODEL EC-55 WITH 0.01 % STEPS FOR % O₂ MEASUREMENTS

THE INSTRUMENT

TECHNOVATION OXY-METER MODEL EC-55 is a portable or panel mountable continuous monitoring gas analyser working on batteries or mains supply of 220 VAC. Liquid Crystal display 12 mm high, for a 0-25% oxygen range, with 0.01 steps from 0-20% O₂ and 0.1 steps for 0 to 25%. The ranges can be selected by a selector switch. EC-55 uses a long-lasting electrochemical sensor

FEATURES

- Quick and accurate response to oxygen
- Double digit Resolution
- Relay, & Recorder Output

APPLICATIONS

MODEL EC-55 is specifically designed for use in Oxygen plants where the vented gases are mainly nitrogen and some wasted oxygen. Monitoring the vent gases could tell when the %oxygen in nitrogen stream has reached an abnormally high % necessitating corrective action within the oxygen plant's operational parameters so as to reduce the wasted oxygen and increase oxygen output. A single percent of oxygen reduced in the vent gases would increase the oxygen production by the equivalent amount leading to a one percent improvement in the oxygen plant's production.

STANDARD SPECIFICATIONS

Display	: 3 1/2 digit LCD 12mm high
Range	: 0-25%
Resolution	: 0-25% with 0.1 % steps : 0-20 % with 0.01 % steps
Accuracy	: ±2 % at constant temperature & pressure
Power Supply	: For Online instrument 220 VAC 50 Hz : For Portable instrument: Rechargeable battery
Zero	: By zero grade Nitrogen
Size	: 95 x 190 x 225 mm depth
Cut outside	: 89 x 184 mm
Weight	: Approx 1.6 Kgs
Sensor Life	: 24 months expected
Response	: T 90:15 Secs
Enclosure	: Robust ABS plastic

OPTIMIZE YOUR OXYGEN PLANT EFFICIENCY WITH



TECHNOVATION[®] MODEL EC-55

STANDARD SPECIFICATIONS CONTINUED

Alarm	: One alarm, visual, & audible settable throughout the range
Alarm Relay	: One set NO, C, NC contact of 50VA rating provided (only for online instruments)
Recorder o/p	: 0 -1 volt as standard
Working Temp	: 0 to 45°C
Sensor Type	: Electrochemical
Flow Rate	: 0.5 litre/min. recommended
Flow Indicator	: Provided.
Calibration	: By ambient air or certified calibration gas
Zero	: By zero grade nitrogen
Size	: 95 x 190 x 225 mm depth
Cut outside	: 89 x 184 mm

ACCESSORIES

Carrying case	: For portable instruments only
Charger	: For battery operated Instruments only.
Clamps	: Panel mounting clamps for online instruments only
Screwdriver	: For calibration & alarm setting.
Tubing	: 2 length's, 1 mtr. & 0.5 mtr.
Hand Aspirator	: With instruments without pump

OPTIONS

On line insts	: Recorder output : 4 - 20 mA.
Remote Sensor	: Maximum cable length 25 m