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TECHNOVATION Analytical Instruments Pvt.Ltd

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Certified ISO 9001: 2000 by



CERT. NO. 217910

MODEL EC-55 WITH 0.01 % STEPS INSTRUMENT

TECHNOVATION OXY-METER MODEL EC-55 is a portable or panel mountable continuous monitoring oxy-meter working on batteries or mains supply of 230V AC.ystal display, 12 mm high, for a 0-25% oxygen range with 0.01 steps from 0-20% O₂ and 0 to 25% with 0.1 steps 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	: LCD 12mm high, with 31/2 digit
Range	: 0-20% with 0.01 steps or by selection. 0-25% with 0.1 steps
Resolution	: 0.01 % oxygen, i.e. two decimal places in the range 0-19.99% and 0.1% in the range above 20%.
Accuracy	: ±2 % at constant temp.
Power Supply	: Online instrument:220 V AC 50 Hz Portable instrument: Rechargeable battery
Sensor Type	: Electrochemical
Response	: T 90: 15 Secs.
Flow Rate	: 1 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 out size	: 89 x 184 mm

FOR % O₂ MEASUREMENTS OPTIMIZE YOUR OXYGEN PLANT EFFICIENCY WITH



TECHNOVATION® MODEL EC-55

Weight	: 1.6 kg. Approx.
Sensor Life	: 24 months, expected.
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
Enclosure	: Robust ABS plastic with side clamps for panel-mounting

ACCESSORIES

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

OPTIONAL EXTRAS

On line instruments only	
Recorder output	: 4 - 20 mA.
Remote Sensor	: Maximum cable length 25 m
Portable instruments only	
Internal Pump	: 1 litre/min flow.