



TECHNOVATION Analytical Instruments Pvt.Ltd

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Certified ISO 9001: 2000 by



CERT. NO. 217910

MODEL SP-1CZ μ P BASED PANEL MOUNTED MINI OXY-METER THE INSTRUMENT CHECK THE % OXYGEN IN PROCESS

THE TECHNOVATION MODEL SP-1CZ OXYGEN ANALYZER is μ P based and has a specially designed sampling configuration with an oxygen sensor at the end of a cable that makes it feasible to accurately measure Oxygen at a gas manifold while the instrument is panel mounted up to a distance of 10 meters away from the sensor. Calibration is accomplished conveniently by atmosphere air.

FEATURES

- μ P based , just three key operation.
- ZERO and CAL potentiometers provided
- 2 Alarm LED
- Confidence flash provided
- Low sample volume required
- Quick and accurate response to oxygen
- Easy to operate by any person.
- Programmable Alarms configuration, Both alarms high OR one high and one low. Settable throughout the range
- Recorder output 0 - 1 V and 4 - 20 mA

APPLICATIONS

MODEL SP-1CZ 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	: LED 12mm high, with 3 digit
Range	: 0 to 25. % oxygen
Resolution	: 0.1 % steps
Accuracy	: ± 2 % FSD at constant temp.
Power Supply	: 220 VAC 50 Hz 1 Phase



TECHNOVATION® MODEL SP-1 CZ

STANDARD SPECIFICATIONS CONTINUED

Sensor type	: Electrochemical
Sensor mounting	: At end of cable of 1.5 meters
Calibration	: By ambient air or certified calibration gas
Size	: 98 x98X 100 mm depth
Weigh	: 1 kg. Approx.
Working temp	: 0 to 45°C
Sensor life in AIR	: 24 months Expected
Alarms	: Two audible & visible.
Alarm relay	: One set NO, C, NC contact of 50 VA rating provided per alarm.
Panel cutout size	: 90 x 90 mm
Recorder Output	: 0-1 V and 4 –20 mA

ACCESSORIES

Clamps	: Panel mounting clamps
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OPTIONS

	(To be specified while ordering)
Sensor mounting	: Oxygen sensor holder and connecting cable 10 m Max.
Range	: 0 to 100 % oxygen