



## TECHNOVATION Analytical Instruments Pvt.Ltd

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Certified ISO 9001: 2000 by



CERT. NO. 217910

## SERIES 94 EXP. EXPLOSION-PROOF WALL- MOUNTED $\mu$ P BASED GAS ANALYSER THE INSTRUMENT

Explosive Area Surveillance Made Easy

These Single-Point Wall Mounted Instruments work on mains supply and have a sensor fitted on a length of cable. They use a certified explosion proof enclosure., The instrument and sensor is located *at the site to be monitored*. They are provided with two alarms, along with relays and recorder outputs of 0-1 V and 4-20 mA. They are meant for continuous operation of area monitoring with continuous read-out, plus vital status indicators

### APPLICATIONS

Used for continuous surveillance at a single point monitoring of either toxic or flammable gases in work places or enclosed spaces in hazardous, explosive or toxic gas conditions & environments.

### FEATURES

- Two Visual Alarms along with acknowledge and reset buttons. Alarms settable as manual OR auto-reset type ( Latching OR Non Latching )
- One NO C NC potential free relay contact per alarm
- Confidence flash
- 0 –1 V and 4- 20 mA Recorder Output
- Relay Inhibit switches provided
- One Alarm High the other settable as Low Or High Alarm
- All Connections under Cable Entry Cover thru glands
- Status indicators for Alarm, Alarm Acknowledge, Relay Inhibit & Confidence flash
- **Calibration:** By Certified Calibration gas or Sensor O/P

### STANDARD SPECIFICATIONS

Display : 3 1/2 digit LED, 12 mm high.  
Sensor : Electrochemical type, expected life over 24 months.  
pelistor for combustible gases.



### TECHNOVATION® SERIES - 94 EXP

#### STANDARD SPECIFICATIONS continued

Working Temp : 0 – 45 ° C  
Accuracy :  $\pm$  5% at constant temp.  
Overall size : 160 x 160 x 130 mm deep  
Weight : 9 Kgs Approx  
Recorder output : 0-1 Volt and 4-20 mA  
Relay Ratings : 220V AC, 1A, resistive load  
Power Supply : 220 VAC, 50 HZ  
Instrument Case : Certified explosion proof Aluminum housing Gas Groups II A & II B  
Gas & Range : Any one as in Table Below, to be specified while ordering.  
Calibration : By Calibration gas or Sensor O/P

#### OPTIONS ( Please specify in order )

Alarms : Latching OR Non-Latching  
Sensor Mounting 1. Sensor Cable of length to be specified. Max 50 meters  
2. Sensor in flame proof Holder on instrument housing.

GAS	RANGE	RESOLUTION	GAS	RANGE	RESOLUTION
O <sub>2</sub>	0 - 25 %	0.1 %	O <sub>3</sub>	0 - 1 ppm	0.01 ppm
CO	0 - 1999 ppm	1 ppm	NO <sub>2</sub>	0 - 50 ppm	0.1 ppm
H <sub>2</sub> S	0 - 199 ppm	0.1 ppm	H <sub>2</sub> CN	0 - 30 ppm	1 ppm
SO <sub>2</sub>	0 - 20 ppm	0.1 ppm	NH <sub>3</sub>	0 - 100 ppm	1 ppm
CL <sub>2</sub>	0 - 50 ppm	0.1 ppm	PH <sub>3</sub>	0 - 1 ppm	0.01 ppm
FLAMABLE GASES	0 - 100 % LEL	1 % LEL	OTHER GASES & RANGES ON REQUEST		