



TECHNOVATION Analytical Instruments Pvt.Ltd

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Certified ISO 9001: 2000 by



CERT. NO. 217910

SERIES 94 SINGLE-POINT WALLMOUNTED mP BASED GAS ANALYSER THE INSTRUMENT

Single Point Surveillance Made Easy

These Single Point Wall Mounted Instruments work on 220 VAC mains supply and have a sensor fitted at the end of a cable. They use an IP 55 enclosure for the electronics as standard. The sensor is located *at the site to be monitored* and the monitor electronics in a safe area/instrumentation room. They are provided with two alarms both audible and visual along with relays and recorder output 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 single point monitoring either toxic or flammable gases in work places or enclosed spaces.

FEATURES

- Two Alarms audible and Visual along with acknowledge and reset buttons, both set points viewable from front face
- 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
- Alarm and Buzzer 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, Buzzer Inhibit, Relay Inhibit & Confidence flash

TECHNOVATION® SERIES 94

STANDARD SPECIFICATIONS

- Display : 3 1/2 digit LED, 12 mm high
 Sensor : Electrochemical type, expected life over 24 months.
 Working Temp : 0 – 45 ° C
 Accuracy : ± 5% at constant temp.
 Overall size : 160 x 160 x 130 mm deep
 Recorder output : 0-1 Volt and 4-20 mA
 Relay Ratings : 220V AC, 1A, resistive load
 Power Supply : 220 VAC, 50 HZ
 Instrument Case : IP55 Housing, ABS plastic
 Gas & Range : Any one as in Table Below, to be specified while ordering.
 Calibration : By Calibration gas or Sensor O/P

OPTIONS

- Alarms : Latching OR Non-Latching
 Sensor : On Cable of length to be specified while ordering. Max 50 meters
 : Sensor in flame proof Holder

GAS	RANGE	RESOLUTION	GAS	RANGE	RESOLUTION
O ₂	0 - 25 %	0.1 %	SO ₂	0 - 20 ppm	0.1 ppm
CO	0 - 1000 ppm	1 ppm	CL ₂	0 - 50 ppm	0.1 ppm
H ₂ S	0 - 100 ppm	0.1 ppm	NO ₂	0 - 50 ppm	0.1 ppm
H ₂	0 - 1999 or 2 %	1 ppm or 0.01 %	H ₂ CN	0 - 30 ppm	1 ppm
NH ₃	0 - 100 OR 1000 ppm	1 ppm	ETO	0 - 100 ppm	0.1 ppm
O ₃	0 - 1 ppm	0.01 ppm	FLAMABLE GASES 0 - 100 % LEL 1% STEPS		
HCL	0 - 30 ppm	1 ppm	OTHER GASES & RANGES ON REQUEST		