

SERIES 94N SINGLE-POINT WALL MOUNTED GAS ANALYSER

Single Point Surveillance Made Easy

THE INSTRUMENT

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 0-1V and 4-20 mA. They are meant for continuous operation of area monitoring with continuous read out, plus vital status indicators

FEATURES

Type of sensors that can be connected are Electrochemical, NDIR, Pellistor, and Thermal conductivity depending on gas and application.

- Three soft touch key operation.
- 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
- One Alarm High the other settable As Low
- Confidence flash provided
- 0-1 V and 4-20 mA Recorder Output
- Alarm and Buzzer Inhibit switches provided
- All Connections under Cable Entry Cover thru cable glands
- Status indicators for Alarm, Alarm Acknowledge, Buzzer Inhibit, Relay Inhibit & Confidence flash

APPLICATIONS

Used for continuous surveillance single point monitoring either toxic or flammable gases in work places or enclosed spaces for safety.

In fruit ripening chambers, battery rooms .

- OPTIONAL EXTRA**
- i. Sensor on Cable of length to be specified while ordering. Max 50 meters.
 - ii. Sensor in aluminum junction box with Ex proof head.
 - iii. Instrument in aluminum enclosure.



TECHNOVATION[®] MODEL SR 94N

STANDARD SPECIFICATIONS

- | | |
|-----------------|---|
| Display | : 3 1/2-digit LED, 12 mm high |
| Sensor | : Electrochemical type, expected life over 24 months. NDIR, TC, Pellistor |
| 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 | : 50VA resistive load |
| Power Supply | : 220 VAC, 50 HZ / 24 VDC specify while ordering |
| 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 |

Typical Gases and Ranges on offer. Please consult us for your specific requirements

GAS	RANGE	RESOLUTION	GAS	RANGE	RESOLUTION
O ₂	0 - 25 %	0.1%	SO ₂	0 - 20 ppm	0.1ppm
CO	0 -1000 ppm	1ppm	CL ₂	0 - 50 ppm	0.1ppm
H ₂ S	0 -100 ppm	0.1ppm	NO	0 - 50 ppm	0.1ppm
H ₂	0 -1999 ppm or 2 %	1 ppm or 0.01%	H ₂ CN	0 - 30 ppm	1ppm
NO ₂	0 - 100 OR 1000 ppm	1ppm	ETO	0 -100 ppm	0.1ppm
O ₃	0 - 1 ppm	0.01 ppm	R134 A	0 – 2000 ppm	1ppm
C ₂ H ₄	0 – 1500 ppm	1 ppm	BINARY GASES BY THERMAL CONDUCTIVITY		
CO ₂	0 - 5, 0 - 20, 0 - 100%	0.01, 0.1%	FLAMMABLE GASES 0 - 100 % OR LEL 1% STEPS		
OTHER GASES & RANGES ON REQUEST					