



TECHNOVATION Analytical Instruments Pvt.Ltd

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Certified ISO 9001: 2000 by



CERT. NO. 217910

SERIES 89 PORTABLE / FIXED POINT TOXIC GAS ANALYSERS

THE INSTRUMENT

LOW COST DEPENDABLE & INDIGENOUS

TECHNOVATION TOXIC GAS ANALYSERS SERIES 89 accurately measure the concentration of a particular gas in parts per million (ppm).. These analysers may be used as a DESK-TOP model or PANEL-MOUNTABLE. These toxic gas analysers use electrochemical sensors which have an enviable reputation for reliability, stability and rugged design having an electrical output linearly proportional to concentration level of the gas. Ambient air monitoring can be done continuously. Process gas may be monitored only under certain conditions and levels.

FEATURES

- One alarm audible & visual user settable with set point view. Alarm relay with NO, C, NC for on-line models.
- Recorder output of 0-1 V & 4 to 20 mA for On-line models.
- Power 220 VAC OR Rechargeable battery option available (to be specified in order)
- Portable models offered with INBUILT PUMP & FLOW INDICATOR option to draw sample gas.

APPLICATIONS

These instruments find application in Process Control, Quality control and Safety in work areas of Factories and Research institutions

STANDARD SPECIFICATIONS

Display : 3 ½ LCD digital 12 mm High
 Working temp : 0-50 °C
 Accuracy : ± 2% at constant temperature
 Size & Wt : 195x98x155 mm deep & 1.5 Kg
 Sensor : Electrochemical life expectancy 2 Years for O₂ & 3 Years for Toxic gases
 Recorder O/P : 0 – 1 V Recorder Output
 Alarm : Visual & audible, settable thro' range. Low battery alarm also.
 Flow Indicator : 0 – 3 l/m provided.



TECHNOVATION® SERIES 89

OPTIONS for PORTABLE instruments only

Accessories

OPTIONS for ON LINE instruments only
 Accessories

OPTIONS for sensor mounting.

- Internal pump with suction of 8" Hg Column and flow of 1.5 l/m
- Rechargeable 12 V battery with charger & Low Batt Alarm
- Carrying Case, battery charger, cal screw driver, tubing
- One potential free relay NO C NC 50 VA contact rating
- 4 – 20 mA recorder output
- Panel mounting clamps.
- Instrument manual, mounting clamps, cal screw driver, tubing

1. Either internal with an internal pump OR in diffusion on instrument.
2. Externally on end of a cable in diffusion mode only

GAS	RANGE	RESOLUTION	GAS	RANGE	RESOLUTION
O ₂	0 - 25 %	0.1 %	O ₃	0 - 1 ppm	0.01 ppm
CO	0 - 1000 ppm	1 ppm	NH ₃	0 - 100 ppm	1 ppm
H ₂ S	0 - 100 ppm	0.1 ppm	HCL	0 - 30 ppm	1 ppm
SO ₂	0-20 or 1999 ppm	0.1 ppm	ETO	0 - 20 ppm	0.1 ppm
CL ₂	0 - 50 ppm	0.1 ppm	NO	0 - 100 ppm	1 ppm
NO ₂	0 - 50 ppm	1 ppm	COCL ₂	0 - 1 ppm	0.01 ppm
H ₂ CN	0 - 30 ppm	1 ppm	N ₂ H ₄	0 - 1 ppm	0.01 ppm
H ₂	0 - 1999 ppm or 2 %	1 ppm or 10 ppm	A ₃ H ₃	0 - 1 ppm	0.01 ppm
PH ₃	0 - 1 ppm	0.01 ppm	OTHER GSES & RANGES ON REQUEST		