



TECHNOVATION Analytical Instruments Pvt.Ltd

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Certified ISO 9001: 2000 by



CERT. NO. 217910

SERIES 2000 A LIGHTWEIGHT INTRINSICALLY SAFE PERSONAL MONITOR

THE INSTRUMENT

The TECHNOVATION® MODEL SERIES 2000 IS A PERSONAL SAFETY MONITOR which is small, lightweight, versatile and certified under IS:5780 for Intrinsic Safety monitoring any one gas from the table below. It weighs less than 210 grams and 10 x 7 x 3½ cm in size. It is durable and hardy enough for use in harsh environments meeting the standards of Environmental Tests under IS:13109.

UNIQUE FEATURES

- 'Zero' & 'Cal.' are software programmable for ease of operation
- Two Alarm Levels each with flashing LED and pulsating beeps
- Alarm LED steady if silenced and off when below set-point limits
- Automatic shutdown if in absolute 'Low Battery' condition
voltage power status viewable with early 'Low-Batt' warning
- STEL, TWA readings are stored and peak values are viewable
- LED Indication for Menu Operation. LCD display & confidence beep
- All parameters are set using keys on front face

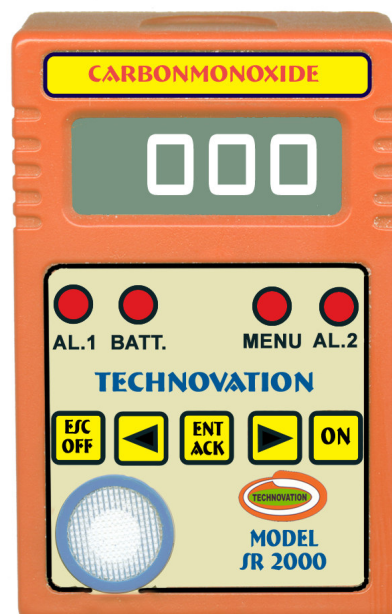
APPLICATIONS

These instruments find uses in personal safety applications within factories, plants, governmental organisations, research institutions et al

STANDARD SPECIFICATION

Range & Gas	Any one from the table. Other gases on request.
Display	3 ½ LCD digital 12 mm high
Working temp	0 - 50 °C
Accuracy	±2% at constant temperature
Size & Wt	10 x 7 x 3½ cm X 210 gm
Sensor type	Electrochemical
Expected life	Two years

A COMBINATION OF UNCOMMON BENEFICIAL FEATURES



TECHNOVATION® SERIES 2000 RELIABLE & COST EFFECTIVE

Case	Robust ABS with belt clip
Alarms(Two)	Both visual & audible. Alarms settable throughout range..
Power	4 nos x 1.5 volts, AAA dry cells
Power alarm	Early 'Low-Batt' warning. When absolutely low – auto shut-off
Accessories	Carrying case, flow-thru cap, rubber tube & user manual.
Optional Extras	Case over monitor
Certifications	<u>Intrinsically Safe -I S:5780.</u> Code – Ex 'ia' I II A B C T6 <u>Environmental Tests- IS:13109 (PART-I)</u>

GAS	RANGE	RESOLUTION	GAS	RANGE	RESOLUTION
CO	1000 ppm	1 ppm	HCN	30 ppm	0.1 ppm
H ₂ S	100 ppm	0.1 ppm	O ₃	1 ppm	0.01 ppm
SO ₂	20 ppm	0.1 ppm	PH ₃	1 ppm	0.01 ppm
CL ₂	50 ppm	0.1 ppm	O ₂	25 %	0.1 %
NO ₂	50 ppm	0.1 ppm	NH ₃	100 or 1000 ppm	1ppm
H ₂	0.5 %	10 ppm	COCL ₂	1 ppm	0.01ppm
A ₃ H ₃	1 ppm	0.01 ppm	N ₂ H ₄	1 ppm	0.01 ppm