

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 3¹/₂ cm in size. It is durable and hardy enough for use in harsh environments meeting the standards of Environmental Tests under IS:13109.

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 and the likes.

STANDARD SPECIFICATIONS

Range & Gas : Any one from the table. Other gases on request
 Display : 3 1/2 LCD, 12 mn High

A COMBINATION OF UNCOMMON BENEFICIAL FEATURES



TECHNOVATION® SERIES 2000

STANDARD SPECIFICATIONS CONTINUED

Working temp	: 0 – 50 °C
Accuracy	: ±2% at constant temperature
Size & Wt	: 10 x 7 x 31 cm & 210 gm
Sensor type	: Electrochemical
Expected life	: Two Years
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
Poweralarm	: 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	: Intrinsically Safe - I S:5780. Code — Ex 'ia' I I I A B C T6 Environmental Tests- IS:13109 (PART-I)

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	1 ppm
H ₂	0.5 %	10 ppm	COCL ₂	1 ppm	0.01 ppm
A ₃ H ₃	1 ppm	0.01 ppm	N ₂ H ₄	1 ppm	0.01 ppm