



TECHNOVATION Analytical Instruments Pvt. Ltd

OFFICE :204 Deccan Court, 259 S.V. Road, Bandra (W), Mumbai-400050
Tel : 91-22-2641 3288 • Fax : 91-22-2643 1585
FACTORY: W-312 13 TH Cross road M.I.D.C Rabale, Navi Mumbai . 400701.
E-mail : taipl@vsnl.com • Website: www.technovationindia.com

CERTIFIED ISO 9001:2008



CERT. NO. 217910

MODEL SR-2016 PORTABLE MULTI-GAS MONITOR WITH DATA LOGGER

THE INSTRUMENT

The microcontroller and architecture ensure simplicity of use, trouble free performance, cost effectiveness and reliability. Operation is with the help of seven keys and is fully menu driven. Graphic Trend Analysis and Data Storage provided.

FEATURES

- Measured Parameters: Upto Six electrochemical sensors including oxygen and temperature and two NDIR/Pellistor sensors.
- Sampling type sets are 1)INSTANTANEOUS, 2)STEL, 3)TWA. & 4)USER SELECTABLE (Interval and Duration for sampling configured by operator.)
- Stored Parameters: Five sets of readings of each type mentioned above including Date & Time of all measured parameters. Data can be Viewed and Down loaded via USB to computer.
- Additionally CONTINUOUS SAMPLING is available too. (In continuous sampling readings are not stored.)
- Displays calculated values of STEL, TWA
- Graphic trend analyses of stored reading sets..
- Report of Minimum , Maximum and Average generated for all reading sets
- Auto power off in idle mode

APPLICATIONS

This instrument finds application in Process Control, Quality Control and Safety in work areas of Factories and Research Institutions

STANDARD SPECIFICATIONS

Display	: 128x64 Graphic LCD with Backlight
Power	: 6 V NiMH rechargeable Batteries.
Low Battery	: Indication provided.
In-Built Pump	: 8" Hg suction, 1 LPM flow.
Sensors	: Any combination of upto Six Electrochemical type and two NDIR/Pellistor type.
Alarms	: Two per gas with LED indicators.
Size & Wt	: 26 x 14 x 10 cm x 1.8 kg
Working temp	: 5 To 45°C



TECHNOVATION MODEL SR2016

STANDARD SPECIFICATIONS CONTINUED

- Sample sets that could be stored**
- 1) INSTANTANEOUS**
ie: every five seconds for five minutes. (= 60 samples)
 - 2) STEL:** Every fifteen seconds for fifteen minutes. (=60 samples)
 - 3)TWA:** Every four minutes for eight hours. (=120 samples)
 - 4) USER SELECTABLE:** Time interval and duration so chosen for Maximum number of samples = 60

Data Output USB port to computer

Parameters measurable Temperature, O₂, CO, SO₂, NO₂, NO, Cl₂, H₂S, NH₃, HCN, O₃, CO₂ (NDIR), CH₄ (NDIR), LEL HC (Pellistor) & others

ACCESSORIES

Instrument manual, Battery Charger, USB Cable, Soft Carrying case for above

OPTIONAL EXTRA

Probe Assembly with Filter



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Sensor	Range	Resolution
Temperature	0-500	1°C
Oxygen	0-25%	0.1%
CO	0-2000ppm	1ppm
SO ₂	0-20ppm 0-2000ppm	0.1ppm 1ppm
NO ₂	0-50ppm 800ppm	0.1ppm 1ppm
NO	0-2000ppm	1ppm
Chlorine	0-50ppm	0.1ppm
H ₂ S	0-100ppm	0.1ppm
Ammonia	0-100ppm	1ppm
HCN	0-30ppm	0.1ppm
O ₃	0-1ppm	0.01ppm
CO ₂ (NDIR)	0-5%,10%,20%, 50%	0.1% (0.01% for 5%)
CH ₄ (NDIR)	0-5%,10%,20%, 50%,100%	0.1% (0.01% for 5%)
HC (Pellistor)	0-100% LEL	1% LEL
Other gases required		