

# TECHNOVATION Analytical Instruments Pvt. Ltd

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

#### THE INSTRUMENT

The microcontroller and architecture ensure simplicituse, trouble free performance, cost effectiveness and reliability. Operation is with the help of seven keys ar 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 1) INSTANTANEOUS

that could be stored

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 Temperature, O<sub>2</sub>, CO, SO<sub>2</sub>, measurable NO<sub>2</sub>, NO, Cl<sub>2</sub>, H<sub>2</sub>S, NH<sub>3</sub>, HCN, O<sub>3</sub>, CO<sub>2</sub> (NDIR), CH<sub>4</sub> (NDIR),

LEL HC (Pellistor) & others

#### **ACCESSORIES**

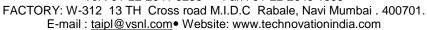
Instrument manual, Battery Charger, USB Cable, Soft Carrying case for above

#### **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 <sub>2</sub>        | 0-20ppm                | 0.1ppm              |
|                        | 0-2000ppm              | 1ppm                |
| NO <sub>2</sub>        | 0-50ppm                | 0.1ppm              |
|                        | 800ppm                 | 1ppm                |
| NO                     | 0-2000ppm              | 1ppm                |
| Chlorine               | 0-50ppm                | 0.1ppm              |
| H <sub>2</sub> S       | 0-100ppm               | 0.1ppm              |
| Ammonia                | 0-100ppm               | 1ppm                |
| HCN                    | 0-30ppm                | 0.1ppm              |
| O <sub>3</sub>         | 0-1ppm                 | 0.01ppm             |
| CO <sub>2</sub> (NDIR) | 0-5%,10%,20%, 50%      | 0.1% (0.01% for 5%) |
| CH <sub>4</sub> (NDIR) | 0-5%,10%,20%, 50%,100% | 0.1% (0.01% for 5%) |
| HC (Pellistor)         | 0-100% LEL             | 1% LEL              |
| Other gases required   |                        |                     |