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

THE INSTRUMENT

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

FEATURES

- Measured Parameters: Up to 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
Data Output : USB port to computer

PROCESS CONTROL, QUALITY CONTROL AND SAFETY



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

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

OPTIONS: Probe Assembly with Filter

Sensor	Range	Resolution	Sensor	Range	Resolution
Temperature	0-500	1°C	CO	0-2000 ppm	1 ppm
Oxygen	0-25%	0.1%	NO	0-2000 ppm	1 ppm
SO ₂	0-20 ppm 0-2000 ppm	0.1ppm 1 ppm	NO ₂	0-50 ppm 800 ppm	0.1 ppm 1 ppm
Chlorine	0-50 ppm	0.1 ppm	H ₂ S	0-100 ppm	0.1 ppm
Ammonia	0-100 ppm	1 ppm	HCN	0-30 ppm	0.1 ppm
O ₃	0-1 ppm	0.01 ppm			
CO ₂ (NDIR)	0-5%, 10%, 20%, 50%	0.1% (0.01% for 5%)	HC (Pellistor)	0-100% LEL	1% LEL
CH ₄ (NDIR)	0-5%,10%, 20%, 50%, & 100%	0.1% (0.01% for 5%)	HC (Photo Ionization Detector)	0-5000 ppm	10 ppm

OTHER GASES ON REQUEST