



ESTD. 1990

TECHNOVATION ANALYTICAL INSTRUMENTS PVT. LTD.

W-312, 13th Cross Road, M.I.D.C., Rabale, Navi Mumbai-400701, Maharashtra, India.

Tel.: 9967177429 / 9870675538.

CIN NO: U99999MH1990PTC057660

E-mail : taiplem@gmail.com Website: www.technovationindia.com

ISO 9001:2015



Cert. No. QMS0720020347

SR 2021 RUGGED PORTABLE VARIED SENSOR TYPE GAS ANALYSER

THE INSTRUMENT

Model SR2021 is a unique instrument which accepts one of three types of sensors from NDIR or Pellistor, Thermal-conductivity and PID variety of sensors. The sensor is normally in diffusion mode, but optionally for some applications of safe non flammable gases an internal pump can be provided for education of sample gases. The Alarm parameters provided are user settable.

NDIR sensors are able to detect gases like CO₂, CH₄, FREONs and SF₆.

Pellistor sensor are used for LEL range of a very large number of combustible gases

Thermal-Conductivity sensor are used for binary gas mixtures eg - H₂-O₂, H₂-N₂ or CO₂-O₂ etc..

PID or Photo ionization Detectors are used for detection of a large number of Volatile Organic Compounds VOCs.

MEASUREMENT MADE SIMPLE AND ACCURATE & ECONOMICAL



TECHNOVATION® SR 2021

FEATURES

- 3 Key easy operation for all parameter settings
- Sensor chosen as per gas and range to be measured
- ZERO potentiometer on front face.
- Sensor mounted in diffusion mode on front face when pump not provided.
- Aluminum enclosure therefore rugged and sturdy for field use.
- Two User settable Alarms for threshold, Activation point, Delay, Hysteresis, and Latching/ auto-reset
- User can calibrate instrument with potentiometers provided with the help of certified calibration gases.
- Optional pump available for non corrosive and non hazardous gases
- Rechargeable battery powers instrument
- Low cost and robust.

APPLICATIONS

Used in industry, for process gas analysis, work space safety and laboratory research applications.

STANDARD SPECIFICATIONS

Display	: 3 ½ LCD display
Range	: Gases and resolution as below
Accuracy	: ± 2%
Power Supply	: For battery charger – 230 VAC 50 Hz 1A
Calibration	: By certified Gas
MOC	: Aluminum
Size	: 120 X 120 X 100 mm
Weight.	: 1.5 Kgs Approx.
Belt clip	: Provided
Alarms	: 2 audible and visual alarms
Working Temp.	: 0 - 45°C

STANDARD ACCESSORIES

Instruction Manual, Battery charger, Carrying case, Silicone rubber tube, Calibration screwdriver.

OPTIONAL EXTRA

Internal pump : Flow rate 2 LPM. Suction of 8" HG

Typical examples of detection capabilities. Please contact us for your specific requirement

GAS examples	Detection principle	Ranges	Resolution
CO ₂ , CH ₄ , Freons, SF ₆	NDIR	0-5, 0-20 0-100%	0.01 to 0.1 %
Combustible gases	Pellistor	0-100 % LEL	0.1 %
Binary gas mixtures	Thermal -Conductivity	0-4% to 0-100%	0.01 to 0.1 %
Volatile Organic Compounds	PID of 10.2eV lamp	0-100 ppm	1 ppm