



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 • E-mail : taipl@vsnl.com
 • Website: www.technovationindia.com www.indiamart.com/technovation
 FACTORY: W-312 13 TH Cross road M.I.D.C Rabale, Navi Mumbai . 400701.

Certified ISO 9001: 2000 by



CERT. NO. 217910

MODEL 2015 SPI A PORTABLE INFRARED GAS ANALYSER THE INSTRUMENT

THE TECHNOVATION® portable Non dispersive infrared gas analyser MODEL 2015 SPI has a specially designed sampling configuration with an inbuilt pump and a NDIR infrared sensor that makes it feasible to accurately measure gases that absorb Infrared wavelengths of electromagnetic energy. Any one gas & range listed below is measurable for Intermittent use.

The Instrument works on a rechargeable battery, And has a digital readout .

FEATURES

- Non Dispersive Infrared Sensor
- Quick and accurate response to target gas
- Quick warm-up time , no moving parts in sensor
- Internal pump to draw a sample
- Flow meter provided
- Portable, light weight, with rechargeable a battery and battery charger.
- Serial peripheral interface available - extra

APPLICATIONS

These instruments find applications in Process and Quality control in Factories and Research institutions , with users taking due precautions for hazardous and combustible gases.

STANDARD SPECIFICATIONS

Display	: 3 ½ Digit LED, 12 mm high
Gas & Range	: As per table below
Accuracy	: ± 5 % at constant pressure & temperature
Power	: Rechargeable battery
Sensor type	: Non Dispersive Infrared
Working temp	: 5 – 50 ° C
Gas Education	: By internal pump
Sampling	: Intermittent, through filter cum condensate trap
Pump	: In built Minimum 8 “ hg column suction and 0.5 lpm flow

GAS	RANGE	RESOLUTION
METHANE	0 - 100 %	0.1 %
CARBONMONOXIDE	0 - 100 %	0.1 %
CARBONDIOXIDE	0 - 100 %	0.1 %
CARBONDIOXIDE	0 - 20 %	0.1 %
OTHER GASES AND RANGES ON REQUEST		



INFRA RED GAS ANALYSER TECHNOVATION® MODEL 2015 SPI

STANDARD SPECIFICATIONS CONTINUED

Alarms	: 2 alarms both audible & visible. Low battery alarm provided.
Battery	: Rechargeable 12 V 1.3 Ah .
Housing	: Aluminum Cast casing
Size	: 220x160x110 mm (BxHxD)
Accessories	: Carrying case, battery charger.

OPTIONAL EXTRAS

- One potential-free relay NO C NC 50 VA contact rating
- 4 – 20 mA recorder output OR 0-1 Volt Recorder output
- SPI BUS for data control
- Metallic probe for high temperature gas sampling

NOTE: This instrument is used for intermittent monitoring duration of 5 - 15 minutes.

To use it continuously a special gas cleaning & drying unit would be required additionally.

Whilst the utmost care has been taken during design and manufacture of the instrument , the use of the instrument by the customer is on the understanding the Technovation Analytical instruments (P) Ltd shall under no circumstance whatsoever be liable for any injuries, expenses or loss of life or any material production which may be attributable in any way to the use of the instrument or adoption of the design specifications given herein.