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## TECHNOVATION ANALYTICAL INSTRUMENTS PVT. LTD.

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ISO 9001:2015



Cert. No. QMS0720020347

### SR-2017-BG-HMI ONLINE 'REFINED BIO GAS' ANALYSER WITH 10.1" TOUCH SCREEN HMI

#### THE INSTRUMENT

The TECHNOVATION SR-2017-BG-HMI is an online REFINED BIOGAS gas analyser and can measure up to five different gases simultaneously. The measured gases include Methane, Carbondioxide, Hydrogen Sulphide and Oxygen. Also provided is a facility to connect an industry standard three wire 4-20 mA transmitters for moisture measurement. The 10" touch screen makes operation easy and user friendly. Facility for storage, viewing of saved data on HMI provided. The instrument is known for its superior performance, simplicity of use and long service life. Sensors are either Infra red type (I.R) or Electro-chemical (EC) for the gases. The indicator control panel is mounted in the safe control room and the sensor are mounted in the plant upto a distance of 5 meters away with the junction box etc.

#### FEATURES

- Name, Range and Resolution for each gas.
- 10.1" Touch Screen
- Trend analysis, Alarms Error and event viewing
- Two Alarms, their set point, Activation, Hysteresis are programmable for each channel.
- Common alarm relay also provided
- Sensors mounted on aluminum plate with Flow control valve, Flow indicator, Condensate trap, Filter absorber tube.

#### APPLICATIONS

Primarily used for Refined or Purified BIO-gas which is free of Sulphur compounds and water condensate.

#### MEASURED PARAMETERS

GAS	RANGE	RESOLUTION	PRINCIPLE
CH <sub>4</sub>	0-100 %	0.1%	N.D.I.R
CO <sub>2</sub>	0-50%	0.1%	N.D.I.R
H <sub>2</sub> S	0-2000	1 PPM	Electro-chemical
O <sub>2</sub>	0-25%	0.1%	
H <sub>2</sub> O*	-100 to 20°C DP	1°C Dewpoint	Transmitter

#### STANDARD SPECIFICATIONS

Display : Touch Screen 10.1 inch

#### LOW-COST DURABLE ACCURATE WITH AFTER-SALES-SERVICE



#### TECHNOVATION® SERIES 2017HMI

##### STANDARD SPECIFICATIONS CONTINUED

- Sensor types : Electrochemical, NDIR, and for Moisture 3 Wire industry standard 4-20mA transmitters.
- Accuracy : Generally, ± 5% of range
- Power : 220 VAC, 50 Hz 1 phase
- Weight : 9.5 kg nett
- Box material : Option 1) Stainless steel wall mounted.
- Enclosure size : 380 W x 350 H x 220 D mm  
: 2) 19" Rack 6U height panel mounted M.S enclosure.
- Calibration : By Certified Calibration Gas

##### ACCESSORIES PROVIDED

Flow control valve, Flow indicator, Condensate trap, Filter absorber tube, Power cord, Electrical Cables for output, Instruction Manual, Allen key. SS tube provided to connect the multiple sensors

##### OPTIONAL EXTRA

- Provision for Moisture transmitter Holder, for customer supplied 4-20 mA moisture sensor.
- Additional RS485 output for connection to PLC