



TECHNOVATION ANALYTICAL INSTRUMENTS PVT. LTD.

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MODEL TS-01 4.3" COLOUR TOUCH SCREEN HMI DISPLAY WITH RTC & DATA LOGGER

THE INSTRUMENT

Model TS-01 is a unique instrument which monitors the target gas from a large variety of gases, ranges and resolutions as in table below. It has a dual 4 digit LED display. It can be wall mounted, has a 4.3" Touch screen for display of parameter value and alarm status and menu for settings. It can store data which can be downloaded to a PEN Drive via the USB port.

FEATURES

- Display of Parameter Value, Units, Alarm Status on 4.3" TFT Touch Screen Colour display
- 512 MB HMI RAM memory
- Can be used for a wide variety of sensors , including Electrochemical, NDIR, PID sensors
- Real Time Clock (RTC) for time stamp
- 50 MB internal datalog memory
- Instrument Power-up Log and event Log
- Interval for data collection changeable
- User settable Alarms for threshold, Activation point , Delay, Hysteresis, and Fail safe mode , Latching/ auto-reset
- 1 USB Host for USB memory stick devices
- Diffusion mode sensor for area monitoring of obnoxious gases. Can be used for process monitoring if gas available under minimal positive pressure along with flow thru cap provided.

APPLICATIONS

Finds use for continuous environmental monitoring of work spaces for data gathering and storage and also for some process gases depending on type of gas and sampling requirements in Hospitals, Offices, Call centers, Laboratories and Industry.

STANDARD SPECIFICATIONS

Power : 110 to 220 VAC 50 Hz 1 A

MAKE PARAMETER VALUE SURVEILLANCE DISPLAY AND DATA LOGGING ALONG WITH ALARM FUNCTIONS SIMPLE AND ECONOMICAL



TECHNOVATION[®] MODEL TS-01

- Alarms : Two visual alarms, user settable by user.
- Working Temp : 0 to 45°C
- MOC : PLA plastic enclosure. Wall mounted
- Size O/A : 140x130x110 mm deep
- Weight : 1.2 Kg
- IP rating : IP50
- Data Logged : Every one minute default value. Stores 10 months data.. for down loading.
- USB : For transfer of data onto Pen-drive
- Time stamp : All stored data and events are time stamped.
- Data format : CSV format

GAS	RANGE	RESOLUTION	GAS	RANGE	RESOLUTION
O ₂	0 - 25 %	0.1%	SO ₂	0 - 20 ppm	0.1ppm
CO	0 -1000ppm	1ppm	CL ₂	0 - 50 ppm	0.1ppm
H ₂ S	0 -100ppm	0.1ppm	NO	0 - 50 ppm	0.1ppm
H ₂	0 -1999ppm or 2 %	1 ppm or 0.01%	HCN	0 -30ppm	1ppm
NO ₂	0 - 100 OR 1000 ppm	1ppm	ETO	0 -100ppm	0.1ppm
O ₃	0 - 1 ppm	0.01 ppm	R134 A	0 – 2000 ppm	1ppm
C ₂ H ₄	0 – 1500ppm	1 ppm	CO ₂	0 - 5, 0 - 20, 0 - 100%	0.01, 0.1%