

**ONLINE MULTI GAS ANALYZER**  
**Model TX-1000**

The TX-1000 has been designed to display real time quantity/concentration of a said gas is in the stream / Process & then it analyzes the same. It can not only log this information, but can download it to a computer where further analysis and record-keeping can be performed from **Synergy Technologies**.

This unit consists of display module mounted on 230mm x 200mm enclosure complete with PVC sensor housing and sampling adaptor.



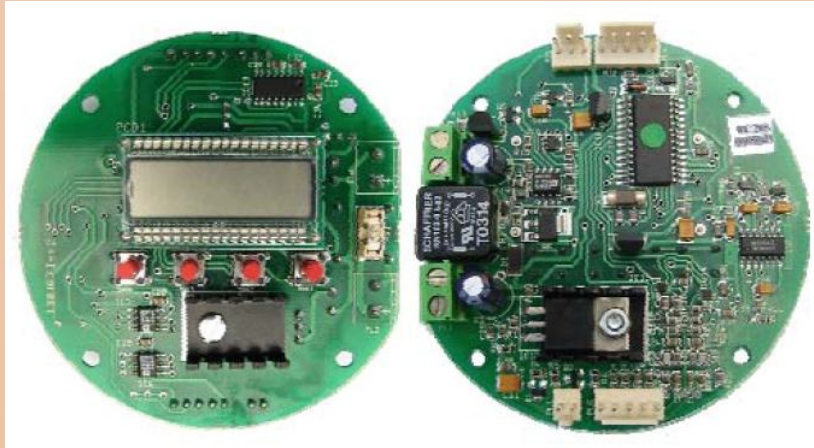
**FEATURES**

- Micro controller based digital circuitry.
- 20x4 Alpha Numeric LCD display.
- Dust proof membrane keypad.
- Parallel printer interface.
- Printer control command programmable.
- Two relay outputs for high and low alarm
- Real Time clock.
- Print interval programmable in Hrs. Min.
- Scan interval programmable in seconds
- High / Low Alarm values programmable for each channel independently.
- Number of Analog channels 16.
- 2 Mb NVRAM storage
- 80 col / 24 col printer selection
- RS232 Modbus output for PC Connectivity
- Size 96(H) x 192(W) x 150(D) mm.

The unit is supplied complete with

- LCD Display
- Sampling Adaptor.
- Pressure regulator Max 9 Barg with 0 to 4 Barg pressure gauge
- Flow meter 0 to 5 scfh about ( 0 to 2.5 LPM) set at 3
- 3 way valve for Sample and N2 for zero check
- Operation Manuals and data sheets

**Note: This Gas Analyzer is Available in Portable & Continuous MODEL for Toxic Gases Like CO, NH<sub>3</sub>, H<sub>2</sub>S, SO<sub>2</sub>, NO, NO<sub>2</sub>, CL<sub>2</sub>, HCL, H<sub>2</sub>, PH<sub>3</sub>, SIH<sub>4</sub>, O<sub>3</sub>, C<sub>2</sub>CL<sub>4</sub> & Also all Hydrocarbon Gases like CO<sub>2</sub>, Methane, Ethane, Propane, Butane, Ethylene, Ethylene Oxide, Methanol, Ethanol etc. Various Range of Gases is Available with us.**



## SPECIFICATION

<b>SUPPLY</b>	
Input Voltage	24V DC nominal (12 – 30V DC) Note: When operating at higher voltages, a heat sink on the Display module PCB will increase in temperature, this is normal.
Supply current	100 mA nominal
<b>Outputs</b>	
Analogue Output	4-20mA analogue output (10-bit resolution)
<b>Sensor Input</b>	
No of Channels	1
Sensor compatibility	MSH range of infrared sensors.
<b>Fuses</b>	
Fuse	500mA anti-surge on board fuse for circuit protection
<b>Additional Features</b>	
Display	4 Digits, 7 Segment Display.
Keypad	4-Button Keypad
Software ( option)	Software configuration provided by PC communications
RS232 Output ( option)	Communications with PC Default @ 19200 baud. Version 3.1.3D/F @ 9600 baud

## APPLICATION

This model is applicable in food, beverage and steel industries, automotive engineering, aircraft construction, engine construction, glass making, laser technology and many other industrial sectors.