



## EMISSION MONITORING SYSTEM

The Continuous Emission Monitoring System BI 7000 is designed in compliance to emission norms to measure gases pollutants emitted by various process industries and to meet the needs of organizations requiring cost effective and reliable multiple gas analyzer solutions.

BI 7000 is TUV certified for CE mark & Performance as per EN15267 standard.

The technology employed are of maximum reliability and accuracy to ensure high degree of performance & long life.

BI 7000 is ideal solution to protect initial investment & can adapt to any process application with modular design & can house up to eight gas sensors with scalable ranges for each gas.

Manufactured for use in hostile or friendly environments the BI 7000 Continuous Emission Monitoring System maintains high levels of gas selectivity, all packed into a robust, attractive, industrial enclosure.

## SPECIFICATIONS :

Analog Output	4-20mA analog output
Digital Interface	RS 485, MODBUS Protocol
Relay Output	2 Nos. relay for alarms
Power Supply	110/230 VAC, 50 Hz
Dimension	19" Rack
Sensor Technology	<ul style="list-style-type: none"> <li>• Non Dispersive Infrared Absorption (NDIR),</li> <li>• Zirconia (ZrO<sub>2</sub>),</li> <li>• Paramagnetic,</li> <li>• Ultraviolet Doppler Optical Absorption Spectroscopy (UV DOAS),</li> <li>• Tuneable Diode Laser Spectroscopy (TDLS)</li> <li>• Non Dispersive Ultraviolet Absorption (NDUV)</li> </ul>

### Features:-

- Tried and tested technology with proven reliability
- Scalable ranges available for each gas
- 5.7" TFT Keypad Display
- The best price performance on the market – designed with user requirements foremost in mind
- Wide range of gas selectivity
- Unit programmable in ppm & mg/Nm<sup>3</sup>
- Isolated 4-20 mA analog output for each gas
- RS 485, MODBUS protocol
- High / Low Gas, low flow & other programmable events available
- Highly efficient automatic purge & drain system
- Inbuilt interface for Remote Calibration Unit
- Auto & semi auto calibration facilities
- CEMS for Hazardous Area, optional

