

# PENTOX 1000

## O<sub>2</sub> detection up to 1 ppm

To detect Oxygen amount inside a stream of CO<sub>2</sub> or any other inert gas mixture, Pentox 1000 is the only instrument that brings together high accuracy and a very robust structure at a reasonable price. Its wide measurement range allows quality analysis throughout the entire production process.

It has been developed to meet the growing demand for High Purity CO<sub>2</sub> and results particularly of interest for beverage producers of beer, mineral

water and soft drinks working under international standards, as ISO and ISBT. Pentox 1000 is a low cost unit for high quality Oxygen analysis (ppm levels) for both 1-10 up to 1-1000. Easy to use, it is equipped with a simple interface of just four buttons for multifunctional use.

Readings are clearly displayed on the LCD screen and RS232 communications is provided as well as analogue and digital outputs.



**TPI**  
HIGH PURITY CO<sub>2</sub>

### Pentatec design

- High Accuracy: 1 ppm
- Wide Range: 1-1000 ppm
- Fast response: 10 sec.
- One-point calibration
- Long life zirconia sensor
- Low maintenance
- Stainless steel IP 65 enclosure

### Application fields

- Food & Beverage Industry CO<sub>2</sub>
- Breweries Food Grade CO<sub>2</sub>
- Gas Industries
- Pharmaceutical Industry
- Electronic Industry
- N<sub>2</sub> generators

### Technical Support

A team of well-trained specialists is available to answer your questions regarding any gas analysis and to train your managers, operators and technical staff to your specific needs.

### Calibration

User manuals provide detailed information on cleaning, calibration and maintenance (which is very simple). Anyway, Pentatec provides also maintenance and re-calibration services at customer premises.



**Pentatec**  
TECNO PROJECT INDUSTRIALE  
GROUP

### TPI GAS ANALYSIS DIVISION

*Pentatec is the Gas Analysis Division of Tecno Project Industriale and supplies gas analysis instruments and systems for quality control in Brewing and Beverage Industries as well as in Gas Companies. O<sub>2</sub> management is one of TPI-Pentatec's focus area to certify the quality of Food Grade CO<sub>2</sub>.*

*Pentatec first introduced scientific instruments for production plants quality monitoring. Its rack-mounted gas chromatograph supplies a continuous determination of CO<sub>2</sub> total purity for a lot of elements, like sulphur compounds, hydrocarbons, aromatic and halogenated hydrocarbons, inert gases.*

# PENTOX 1000 Oxygen Analyser

## (ppm O<sub>2</sub> analysis)

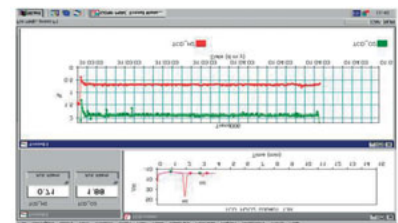
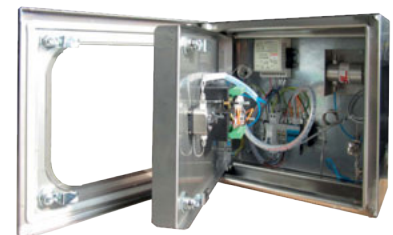
### Technical Specifications

Dimensions		Wall Mount: L: 350 mm x W: 400 mm x D: 210 mm Din Rail Mount: L: 179 mm x W: 483 mm x D: 470 mm
Weight		Wall Mount: 15 kg Din Rail Mount: 10 kg
Sensor		Mini Zirconia
Measurement Range		1-1000 ppm Oxygen Configurable
Response Time (T90)		10 Seconds
Resolution		1 ppm Oxygen
Power Requirements		85 to 264 VAC or 24 VDC $\pm$ 10% (Max. Load 160mA)
Display		100 x 33 dot graphics display module
User Interface		4 Button Keypad
Communications Analogue		RS232 bi-directional
Output Digital		4-20 mA current loop powered. Linearity is $\pm$ 1%
Outputs Option		2 off Relay, Dry Contact 5 Amp rated
Temperature Range	Operating	-5 to + 50 degrees Celsius
	Storage	-20 to + 50 degrees Celsius
Environmental		IP rating depending on packaging offered or required
Electromagnetic Compatibility		CE marked and tested according to: EN61000-6-4; EN61000-6-2; EN55022 *EN61000-3-3; *EN61000-3-2 ( * Applies to AC Versions)

### Rack 19" version



### Stand alone version



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