

02 Trace Analyzer

Portable oxygen trace analyzer including data logger to store measured values



Oxygen trace analyzer to measure the oxygen concentration

Oxygen trace analyzer with integrated data logger for measured value storage, incl. PC software for editing, administrating and archiving measured data.

The oxygen trace analyzer is used for continuous oxygen concentration measurement in industry, in the laboratory and of protective gases as well as in case of mixture processes, production and the processing of special forming gases.

The device is equipped with an internal pump that can be switched on if required. Therefore, the permanent exchange of atmosphere at the measuring cell is ensured.

The recording rate is configurable, in the case of a measuring interval of one second, recording can take place for 350 days.

Recorded data can be transferred to PC by USB interface. The evaluation and processing of measured values is carried out by corresponding PC software, as well as personalization and DIN-ISO compatible protocol print out.

Fields of application:

- Industry
- Laboratory for protective gases
- Processes of mixture, production and processing special forming gas

Technical Data

- Measuring range: 0...20.6 Vol% O₂
- Measuring accuracy at normal pressure: rel. measuring errors < 5%
- Measuring gas flow capacity: 5 ... 10 l/h (controlled automatically when using the internal pump)
- Maximum allowable measuring gas pressure: 20 mbar overpressure
- Maximum allowable measuring gas temperature: 80°C
- Dimensions: 240 x 200 x 140 (WxHxD in mm)
- Gas inlet/gas outlet: each fast locking coupling 6 mm
- Degree of protection: IP 40
- Power supply: wall power supply 24 VDC
- Power consumption: 20 VA
- Operation: touch screen
- Display: LCD display monochrome 124 x 64 pixels
- Additional analogue output: 0/4 ... 20 mA correspond to 0 ... 20.6 Vol%
- Measuring data transmission: via USB interface to a PC

Accessories:

- PC software (Requirements: WinXP (Prof.) SP2 or above)