PRO-CHEM ANALYTIK

Portable Oxygen-Hydrogen-measurement

Oxygen- Hydrogen measurement for % Range

This Model was made for fast, accurate and economic measurement of Oxygen and hydrogen at percent levels.
A simple operating and a large LCD-display allow easy and fast start-up of the instrument.
The Unit is measuring Oxygen between 0 -25% and hydrogen between 0 – 10%.

☺ Measuring range

The user get a range of 0 – 25% of oxygen and 0-10% hydrogen.

☺ Data outputs

For the Oxygen and Hydrogen concentration are two 4-20 mA output available.

☺ Sensor with long operating life

The Oxymaster uses a special fuel cell to measure the oxygen concentration. The sensor meets the industrial requirements for accuracy, sensitivity, easy to use and operating life.

☺ Calibration

The calibration of the instrument for trace oxygen measurements in gas should be done with a calibration gas. The concentration can be chosen freely within the measuring range.

☺ Benefits

- Compact economic instrument
- Sensor with long operating life.
- No range switching required
- optional with gas sampling pump or flow meter
- rechargeable Battery

☺ Flow-through measuring cell

- The measuring cell is modular
- A defective measuring cell can be repaired by replacing the defective part only, rather than the complete unit

Specification

Measuring range	: 0 -25 % O_2 0 – 10% H_2
Calibration	: with calibration air (%) hydrogen with calibration gas H2 in synthetic air
Accuracy	: +/- 2% Reading (T= const.) +/- 5% Reding over full temperature range
Resolution	: 0,1 % oxygen and hydrogen
Response time	: oxygen 90 % of FSC at 25℃ < 45 s hydrogen 90% of FSC at 25℃ < 60 sec
Operating Temp.	: 0 - 50℃
Pressure	: 0,1 - 1 bar
Outputs	: 4 -20 mA/DC
Display	: backlight display
Power	: 85 - 230 VAC, 44/60 Hz battery powered
Oxygensensor	: Micro-Fuell Cell,
Sensor warranty	: 6 month under normal use and maintenance
Expected sensor life	: oxygen up to 5 years on ambient hydrogen 1 to 2 years
Size	: 480 x 380 x 260 mm (W x H x D) 13,78 x 11,81 x 3,94 in. (W x H x D)
Weight	: 2 kg

Typical

- Variety of sensors available or can be used
- Output signal: 4-20 mA for H_2 andO_2
- Data tracking optional
- universal Power supply for charging
85 - 230 VAC 50 - 60 Hz
- battery powered

Applications are found in

- Gas manufacturers
- electrolysers

back side:

Pro-Chem Analytik GmbH & Co.KG, Timmermannsweg 1, 46509 Xanten
Tel.: 02804/ 9101-47 Fax: 02804/ 9101-48 e-mail: infoD@prochem-online.com www.prochem-online.com