

O₂

Fibox 3 LCD-trace

Portable oxygen transmitter Stand-alone system

- For use with non-invasive oxygen sensors & sensor probes
- One calibration for a multitude of sensor spots
- Portable instrument with rechargeable battery

The Fibox 3 LCD-trace is a single-channel, temperature compensated stand-alone oxygen meter. It is used with oxygen sensors based on a 2 mm optical fiber. It is a portable instrument with a rechargeable battery and a built-in data-logger. It can be controlled via an integrated, programmable LCD control panel. Alternatively, the Fibox 3 LCD-trace can be connected to a PC for measurement. Fibox 3 LCD is used for sensor coatings type PSt3 (detection limit 15 ppb, 0 - 100 % oxygen) and type PSt6 (detection limit 1 ppb, 0 - 4.2 % oxygen).



Specifications	Fibox 3 LCD - trace
Oxygen sensors	PSt3 and PSt6 (optical SMA connector)
Temperature sensor	1 x PT1000 temperature connector (sensor included)
Temperature performance	0 to 50 °C, resolution: ± 0.1 °C, accuracy ± 1.0 °C
Power supply	14.8 V / 4 Ah
Max. battery operating time	8 h (sampling rate 1 s)
Temperature: operating / storage	0 °C to 50 °C / -10 °C to 60 °C
Relative humidity	up to 80 % (non condensing)
Dimensions, weight	215 mm x 120 mm x 95 mm, 1.65 kg
Digital interface	RS 232 interface (cable included)
Analogue interface	dual current outputs, 4 - 20 mA, with galvanic isolation, O ₂ range programmable dual voltage output, 0 - 10 V, with galvanic isolation, O ₂ range programmable dual voltage input, 0 - 10 V, with galvanic isolation, resolution: 12 bit, programmable
Display	dot matrix LCD, foil keyboard, 4 keys
Data logger	25.000 Data sets, export via incl. software

Sensors & Accessories



Oxygen Probe for In-line Measurement

Compatible with most bioreactors or port adapters.



Oxygen Probe Integrated in Varivent Valves

For in-line measurements in e. g. breweries.



Oxygen Probe Integrated in a Metal Flow-Through Connector

For integration in steel-pipes



Flow-Through Cell O₂

This oxygen minisensor is a miniaturized fiber optic sensor integrated in a T-shape flow-through cell.



Sensor Spots O₂

Sensor spots are the most versatile version of non-invasive oxygen sensors.



Oxygen Dipping Probe

The dipping probe is a robust invasive oxygen sensor with excellent long-term stability.

Technical data can change without prior notice.

Bring to light what's inside. Ask our experts:

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