

Fibox 3 & Fibox 3 trace

O₂

Fiber optic oxygen transmitters Temperature compensated system

- For use with non-invasive oxygen sensors & sensor probes
- One calibration for a multitude of sensor spots
- Software included

The Fibox 3 and Fibox 3 trace are precise fiber optic oxygen transmitters. They are temperature compensated and used with oxygen sensors based on a 2 mm optical fiber. A PC is connected to run the easy-to-use software. On top, analogue outputs and a trigger input are integrated.

Fibox 3 is used for sensor coatings type PSt3 (detection limit 15 ppb, 0 - 100 % oxygen). Fibox 3 trace additionally works with the trace oxygen sensor coating type PSt6 (detection limit 1 ppb, 0 - 4.2 % oxygen).



	Fibox 3	Fibox 3 trace
Specifications		
Oxygen sensors	PSt3 only (optical SMA connector)	PSt3 and PSt6 (optical SMA connector)
Temperature sensor	1 x PT 1000 temperature connector (sensor included)	
Temperature performance	0 - 50 °C, resolution: ± 0.1°C, accuracy: ± 1.0 °C	
Power supply	18 VDC/5 W (110 - 240 VAC, 50/60 Hz, adapter included)	
Temperature: operating / storage	0 °C to 50 °C / - 10 °C to 60 °C	
Relative humidity	Up to 80 % (non condensing)	
Dimensions, weight	210 mm x 120 mm x 50 mm, 0.65 kg	
Digital interface	RS232 interface (with RJ connector to serial port, cable included)	
External trigger	TTL compatible with galvanic isolation (BNC connector)	
Analogue output specifications	Dual outputs, 0 - 4095 mV, resolution: 12 bit, accuracy: ± 10 mV (BNC connectors)	
		10 mV represent
	Oxygen	1 % air saturation
	Temperature	1 °C
	Phase	0.25 °

Sensors & Accessories



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.



Flow-Through Cell O₂

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



LP-1 Control Panel

The control panel is a device for controlling single-channel oxygen transmitters.

Technical data can change without prior notice.

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

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