



## Fibox 3 & Fibox 3-trace

### Single-channel 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 single-channel, temperature compensated oxygen meters. They are 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).



Specifications	Fibox 3	Fibox 3-trace
Oxygen sensors	PSt3 only (optical SMA connector)	PSt3 and PSt6 (optical SMA connector)
Temperature sensor	1 x PT1000 temperature connector (sensor included)	
Temperature performance	0 – 50 °C, resolution: $\pm 0.1$ °C, accuracy $\pm 1.0$ °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	RS 232 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 $\pm 10$ mV (BNC connectors)	
	1 mV represents	
	Oxygen	0.1 % air saturation
	Temperature	0.1 °C
	Phase	0.025°
Software OxyView (included)	Windows 98, 2000, XP, Vista	

## Sensors & Accessories



### Sensor spots

Sensor spots are the most versatile version of non-invasive oxygen sensors. They are attached to the inner surface of any transparent vessel.



### Dipping probe

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



### Flow-through cell

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



### LP-1 – LCD Control Panel

The LP-1 control panel is a device for controlling PreSens single-channel oxygen transmitters without the need to connect them to a PC.

A wide variety of sensors is offered.  
If your housing is missing, please contact us!

Technical data can change without prior notice.

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

PreSens Precision Sensing GmbH  
Josef-Engert-Str. 11  
93053 Regensburg, Germany

Phone +49 941 94272100  
Fax +49 941 94272111  
info@PreSens.de

 [www.PreSens.de](http://www.PreSens.de)