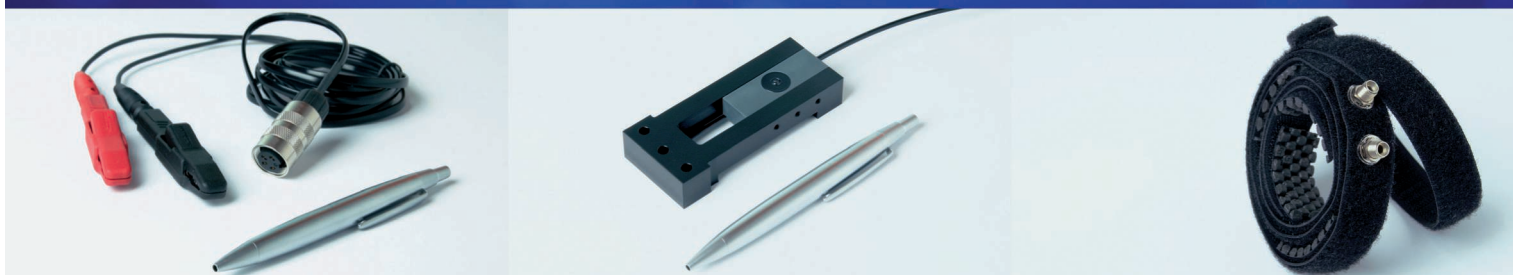


Accessories



Numerous extensions and add-ons for our devices and sensors

- LCD display unit for single-channel oxygen transmitters
- USB serial adapter, battery cable
- Optical adapters for connecting sensors to transmitters

We offer numerous accessories for our measuring devices. The application possibilities can be extended by LCD display units, battery cables and USB converters. Optical sensor adapters allow our sensors to be used in a wide variety of containers.



LP-1 Control Panel

The control panel LP-1 is a device including a liquid crystal display (LCD) that is used to control PreSens single-channel oxygen transmitters without the need to connect them to a PC. The LP-1 supports Microx TX3, Microx TX3 trace, Fibox 3 and Fibox 3 trace. The integrated data logger allows up to 20,000 readings to be stored. Its graphic LCD with backlight enables full control of the devices. It offers both easy calibration and measurement using just four buttons.



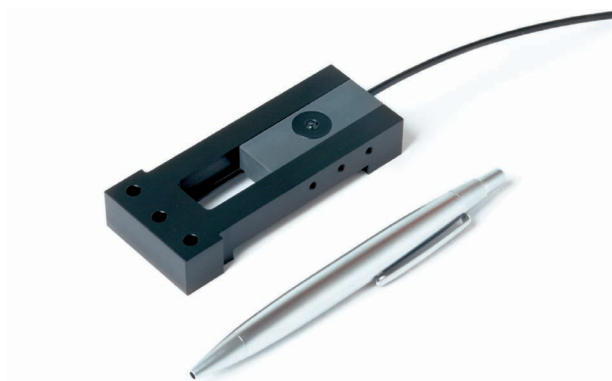
Battery Cable

We offer battery cables as accessories for use of our single-channel transmitters in the field. They are designed with alligator clips so that they can be connected to conventional batteries. Depending on the batteries capacity and the required measurement rate, operating times of up to several days are possible. (Batteries are not included.)



USB Converter

USB converters are available for connecting the transmitters to a PC / notebook via USB or for creating a multi-channel system via USB. We offer single-port and 4-channel USB converters.



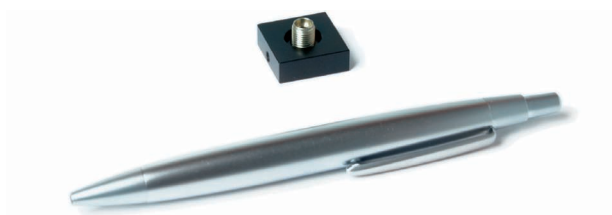
Coaster for Shake Flasks (CFG)

The coaster for shake flasks is used for online measurement of oxygen and / or pH in shake flasks and spinner flasks. The coaster is placed underneath the shake flask and can be adjusted for different shake flasks with different volumes. Two different coasters are available. The single coaster is used for one sensor spot; the dual coaster is used for two different sensor spots in the same flasks. An optical fiber with an SMA connector is integrated into the adapter (2.5 m).



Adapter for Round Containers (ARC)

The adapter for round containers (ARC) is an adjustable Velcro®-type adapter. It can be used for round containers with diameters of 2.5 to 20 cm (1 to 8 inches). The SMA socket on this adapter must be connected to the polymer optical fiber (POF), which is available as a separate accessory.



Stick-On Adapter (SOA)

The stick-on adapter (SOA) is used to attach the POF (polymer optical fiber) cable to a planar transparent glass or plastic container. It is equipped with a SMA socket, which must be connected to the polymer optical fiber (POF).



Polymer Optical Fiber (POF)

For all our transmitters with SMA sockets, a polymer optical fiber is needed as a light guide between the transmitter and the sensor foil (e.g. oxygen or pH). This POF enables non-invasive and non-destructive measurements to be made from the outside through the transparent wall of the flask. The POF is compatible with minisensor devices Fibox 3, Fibox 3 trace, OXY-4 mini, OXY-10 mini, OXY-4 trace, OXY-10 trace or pH-1 mini, pH-4 mini, pH-10 mini or Fibox 3 LCD and Fibox 3 LCD trace.

We offer different standard lengths, e.g. 2.5 m, and fibers with SMA connectors on one or both sides, depending on your adapter or sensor application.

Sensor Probes

Accessories

	LP-1	Battery Cable	Single USB Serial Adapter/ 4-Port USB Serial Adapter
Specifications			
Power Supply	Provided by connected instrument (e.g. Fibox 3), Input voltage range: 9 – 24 VDC, 5 W (nominal 18 VDC)	Input voltage range: 9 – 24 VDC, 5 W (nominal 18 VDC)	No external power adapter required, powered by USB
Compatibility	Microx TX3 (trace) Fibox 3 (trace v3)	o For single-channel transmitters: Microx TX3 (trace), Fibox 3 (trace), pH-1 mini, pH-1 micro o For LCD transmitters: Fibox LCD (trace)	Windows 98/ME/2000/XP/Vista (Certified Microsoft WHQL approved), driver CD include
Dimensions [D x W x H] / Weight	190 x 125 x 45 mm / 550 g	Length: 2.0 m / 100 g	USB cable length: 1.0 m (included), up to 5 m detachable
Oxygen Units	% air saturation, % O ₂ , hPa, Torr, mg/L (ppm), µmol/L		
Data Logger	More than 20,000 samples stored in internal EEPROM		
Graphic Display	128 x 64 pixels, backlight, automatic contrast control		
Operating / Storage Temperature	0 °C to 50 °C / - 10 °C to 65 °C		
Relative Humidity	Up to 60 % (IP20)		

	Adapter for Round Containers (ARC)	Stick-On Adapter (SOA)
Specifications		
Dimensions [D x W x H]	Velcro® strip 1000.0 x 22.0 x 4.0 mm	20.0 x 20.0 x 7.0 mm
Connector Type	SMA socket	SMA socket
Compatible with All Devices With SMA Connectors	Fibox 3, pH-1 mini, OXY-4 mini, OXY-10 mini, and others	Fibox 3, pH-1 mini, OXY-4 mini, OXY-10 mini, and others

	Coaster for Shake Flasks (CFG) / Centrifuge Tube Adapter (CTA)	POF
Specifications		
Dimensions [D x W x H]	Approx. 93.0 x 41.0 x 16.0 mm	Optical diameter is 2 mm; outer diameter including the black cladding is approx. 2.8 mm
Connector Type	SMA socket	SMA connectors on one or both sides available for use with stick-on adapter and adapter for round containers
Length of Fiber	2.5 m	Available lengths for the POF are 1.0, 2.5 and 5.0 m (for lengths of more than 5 m, please contact our service team)
Compatibility	All devices with SMA connectors, e.g. Fibox 3, pH-1 mini, OXY-4 mini, OXY-10 mini	All devices with SMA connectors, e.g. Fibox 3, pH-1 mini, OXY-4 mini, OXY-10 mini
Details	Compatible with shake / spinner flasks up to 1l	Temperature stability: The POF is resistant to temperatures up to 70 °C

Technical data can change without prior notice.

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

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