



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 battery's 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 multichannel system via USB. We offer single-port and 4-channel USB converters.

Accessories



Coaster for Shake Flasks (CFG)

The coaster for shake flasks is used for on-line 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 an 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.

| Specifications | LP-1 | Battery Cable | Single USB Serial Adapter/ 4-Port USB Serial Adapter |
|-------------------------------|--|--|--|
| 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, Microx TX3-trace, Fibox 3, 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/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) | | |

| Specifications | Adapter for Round Containers (ARC) | Stick-On Adapter (SOA) |
|---|---|---|
| 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 |

| Specifications | Coaster for Shake Flasks (CFG) | POF |
|------------------------|---|--|
| 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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