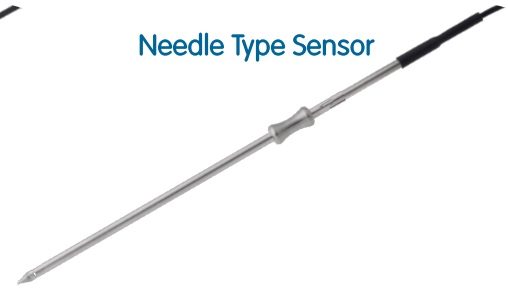
UMS Ink / binder type DO Sensors

Micro Sensor 200 mm

Micro Sensor 95 mm

Needle Type Sensor

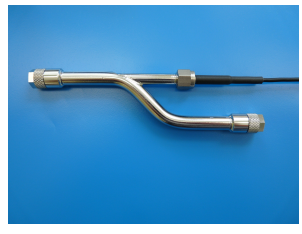


- Sturdy stainless steel sensor
- Service life (physical) of approx. 2 years
- Capable of measuring extremely low oxygen concentrations and low measurement volumes
- Short polarization time
- Convenient size and low weight

Technical specifications:
- ∅ 4.7 mm stainless steel Micro Sensor
- ∅ 5.4 mm needle type Micro Sensor
- Length 200 mm
- Also available in other lengths
- Flow sensitivity: approx. 1% at 5 cm/s

The extremely fast Micro Sensor is available in customized lengths between 95 - 1,000 mm and can be easily implemented in your production line by UMS adaptors.
The Micro Sensor enables you to measure dissolved oxygen (DO) in ink forjet printing machines and in binders for 3D printers. Even solvent based and hot (up to 70 °C) ink / binder can be measured. Our needle (penetration) sensor detects any residual oxygen content in already confectedink / binder bags.

Ink type Sensor adaptor for printing machines



- Compact, easy to install, large benders for low flow resistance
- The adaptors have CK connectors for 4/6, 6/8, 8/10 and 10/12 mm hoses.
- Sensor mounting: Swagelok 3/16" with PTFE ferrules
- Stainless steel V4A
- Dimensions: approx. 90 mm x 100 mm
- Made in Germany.

DO Transmitter 4-20 mA for UMS Micro Sensors - measuring amplifier for automation

DIN Rail

waterproof

- Compatible with all UMS DO sensors and DO ink type sensors
- Measuring ranges : oxygen in mg / l and %sat (switchable)
- Fully automatic temperature compensation
- Available for DIN Rail or IP67 waterproof
- 4 - 20 mA current loop
- 24 mA failure signal
- Power supply via current loop (2 wire / loop powered) or separately (4 wire)
- Easy calibration by pushbutton using the calibration chamber
- Display of measurement range and operating state by multi-color LED
- Extended measuring range available on request

Measurement ranges:
0.0 .. 19.9 mg/l or 0.1 .. 199.9 %sat
Output current: 4 .. 20 mA, 24 mA alarm signal
Supply voltage: 5 .. 32 V DC

Unique Measuring Systems **UMS**

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