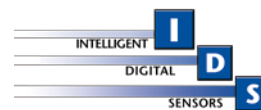# Unique and Distinctive: IDS Sensors

The new IDS sensors – intelligent, digital sensors – represent the next generation of WTW electrochemical sensor technology. Equipped with innovative measurement electronics, IDS sensors automatically store their unique serial number and calibration data. IDS sensors not only store data, but also process signals providing superior data integrity. This enables effective evaluation of the sensor quality by means of the Quality Sensor Control (QSC) function.

FDO® 925 – the Optical Dissolved Oxygen Sensor for Field and Lab

FDO® 925

- Robust and waterproof

- Extremely fast ($t_{99} < 60s$)

- Free of incident flow with beveled membrane

- Factory calibrated sensor cap with intelligent chip

- Low maintenance

The FDO® 925's small dimensions make it suitable for **lab and process**. The flow-free, easy-to-clean, beveled membrane allows it to be used in containers with low sample volumes. Low oxygen concentrations under 1 mg/l can also be detected accurately.

The fast and flow-free FDO® 925 is perfectly suited for **field measurement**. Accessories such as protective armor made of plastic or stainless steel, make this sensor ideal for use in harsh environments. The Kevlar®-strengthened cables of varying lengths allow reliable measurements in deep lakes or raging rivers.

In the **sewage plant**, FDO® 925 excels at BOD measurement in the Karlsruhe bottle as well as in the monitoring of stationary measurement systems. In connection with the AutoRead function of the MultiLine® devices, its characteristics can be aligned to that of the online sensor FDO® 700 IQ and thus guarantees comparable measured values.

IDS Dissolved Oxygen Sensors

Model	FDO® 925
Order No.	201 300
Concentration measuring range	0.00…20.00 mg/l ± 0.5 % of value
Saturation measuring range	0.0 … 200.0 % ± 0.5 % of value
Partial pressure measuring range	0.0 to 400 hPa ± 0.5 % of value
Temperature	0 … 50.0 °C (32 … 122 °F) ± 0.2 °C
Membrane shape	Beveled
Shaft material	POM, Stainless steel
Shaft dimensions	Length, 140 mm (0.46 ft.) ± 1 mm, Ø 15.3 mm (0.05 ft.) ± 0.2 mm
Cable length	1,5 m* (4.92 ft.)

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*Also available in 3 m, 6 m and 25 m (9.84 ft., 19.68 ft. and 82.02 ft.)