

OPTICAL DISSOLVED OXYGEN FDO6601-N

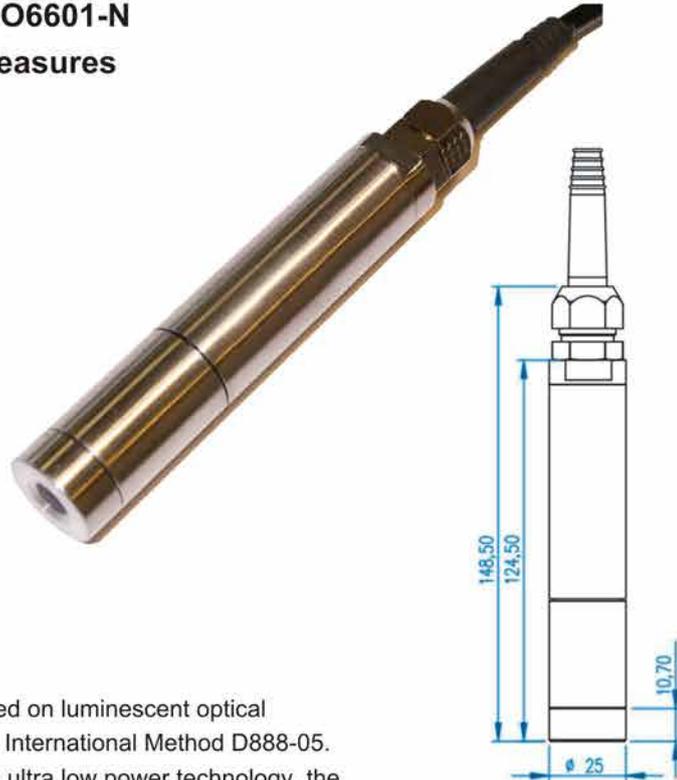
Digital technology for optimized measures

Article-No. 486 6601

- Optical Technology without calibration
- Digital Technology (Modbus RS-485)
- No drift, Reduced maintenance
- Robust, for field applications

Applications

- Urban wastewater treatment
- Industrial effluent treatment
- Surface water monitoring
- Drinking water



Optical technology :

The Optical Dissolved Oxygen technology is based on luminescent optical technology. The sensor is approved by the ASTM International Method D888-05. Without calibration requirements and thanks to an ultra low power technology, the sensor meets the demands of field works and short or long term campaigns.

Without oxygen consumption, this technology allows you an accurate measure in all situation and especially in very low oxygen concentrations.

Digital Technology :

The "smart" sensor stores calibration and history data within the sensor. This allows you a "plug and play" system without re-calibration.

Thanks to the Universal Modbus RS485 protocol, the sensor can be connected to all devices commonly used (Datalogger, Controller, Automat, Remote System...).

Technische Daten

Measure principle	Optical measure by luminescence
Measure ranges	0.00~20.00 mg/L 0.00~20.00 ppm 0~200%
Resolution	0.01
Accuracy	±0.1mg/L ±0.1 ppm ±1 %
Response time	90% of the value in less than 60 seconds
Water move	No necessary move
Temperature compensation	Via CTN
Stocking temperature	-10°C ~ +60°C
Signal interface	Modbus RS-485 (standard) and SDI-12 (option)
Maximum refreshing time	< 1 second
Sensor power-supply	5 to 12 volts
Consumption	Standby 25 µA Average RS485 (1 measure/ seconde) : 4,4 mA Average SDI12 (1 measure/ seconde) : 7,3 mA Current pulse : 100 mA