



The TOUGH Dissolved Oxygen Optical Smart Sensor is ideal for river, lake, drink water, environmental protection & general applications.

TOUGH Dissolved Oxygen Optical Smart Sensor

Features

- Digital Smart Sensor with on-board data processing
- POM+ 316 Stainless steel body
- Quick connect plugs – eliminate hard-wiring of sensors and allow for instant hot-swap
- Communication: MODBUS RTU (RS-485) output
- Ideal for general application, river, lake, drink water, environmental protection, etc.



TOUGH Dissolved Oxygen
Optical Smart Sensor

TOUGH Dissolved Oxygen Optical Smart Sensor



TOUGH Dissolved Oxygen Optical Smart Sensor

The Smart Digital Sensor with direct MODBUS RTU output can directly interface with your industrial network or connect with our range of communication hardware. This sensor is ideal for Water, Wastewater treatment and aquaculture applications.

SMART Sensor Technology

SMART Sensors have revolutionised the way our customers manage and maintain sensors. Unlike most other smart sensors, Turtle Tough provide you with the option of a propriety digital signal or an open-source Modbus RTU signal that is universally accepted. This allows the sensor to be directly connected to your industrial network without the need for proprietary hardware. Turtle Tough also provide state-of-the-art analysers and controllers should you require a sophisticated turnkey control solution. SMART sensors have the added benefit of storing a detailed performance history and diagnostics on-board enabling superior sensor management. Sensors can be cleaned and calibrated offline to facilitate a hot-swapping maintenance regime. Need to know more about [hot-swapping?](#) Ask our team





Specifications

Product name	TOUGH Dissolved Oxygen Optical Smart Sensor
Code	TT-TOUGH-DSS2-DO-OPT
Measurement	Dissolved Oxygen
Measurement range	0-20mg/L
Measurement accuracy	±1%F.S
Output Communication	RS485 MODBUS RTU
Measure Methods	Fluorescent method
Housing material	POM+ 316 Stainless steel
Pressure resistance	44 PSI
Temperature Compensation	NTC10K
Temperature range	0-50°C; Measuring accuracy: ±0.1°C; Resolution: 0.1°C
Measuring/Storage Temperature	0-45°C
Calibration	Anaerobic water calibration and air calibration
Cable length	10m (optional lengths available)
Thread	¾" MNPT
Connection	4 core cable
Dimensions	Ø25*165mm
Application	Water, wastewater treatment, aquaculture and environmental applications
Warranty	12 Month Conditional Warranty. Go to turtletoughsensors.com/support/warranty-returns