

In-Situ RDO PRO-X Optical Dissolved Oxygen Sensor

The In-Situ RDO PRO-X Optical Dissolved Oxygen Sensor is compatible with the NexSens X2 data logger using Modbus 485 RTU output. Complete configuration information can be found at:

In-Situ's Sensor Manual

https://www.fondriest.com/pdf/in-situ_rdo_pro_manual.pdf



Connecting In-Situ RDO PRO-X Optical Dissolved Oxygen Sensor

Connectorization

For communication purposes, the RDO PRO-X must be connected to a Nexsens UW-FL.

The flying leads for the UW-FL must be connected to the Modbus sensor PC communication device with the following configuration below:

UW-FL Wire Color	SensorBUS Signal	Device Kit Connection
Green	RS-485 A	Blue Port
Blue	RS-485 B	Green Port
Brown	SDI-12	N/A
Red	12V Power	Red Port
White	5V Power	N/A
Yellow	RX	N/A
Black	GND	Black Port
Orange	TX	N/A



NexSens UW Receptacle to Flying Lead Cables (UW-FL)



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Modbus sensor PC communication device kit, USB

In-Situ RDO PRO-X Optical Dissolved Oxygen Sensor – Sensor Cap

RDO PRO-X Sensor Cap

To avoid damage to the sensor, ensure to install the RDO PRO-X sensor cap before placing the RDO PRO-X into the water.



In-Situ RDO PRO-X Sensor Cap