

INW CT2X

Quick Start Guide

The INW CT2X Conductivity logger is compatible with NexSens X2-series data loggers using the RS-485 Modbus RTU output for real-time temperature and conductivity monitoring.



Connection

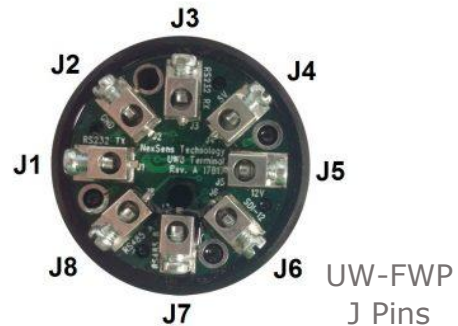
Note: Most sensors will have factory-assembled UW-FWP connectors. If this is the case, skip to the **Data Logger Connection** section.

For compatibility with an X2 data logger, a CT2X sensor must be fitted with a UW Field Wireable Plug. Level-equipped models with a vent tube should use the UW-FWP-V connector.

Remove INW's pre-installed 5 pin twist lock connector as necessary and follow the wiring table below to properly wire the CT2X into a UW-FWP.



UW-FWP



UW-FWP
J Pins

Wiring Table

CT2X Wire Color	Signal	UW-FWP J Pin Connection
White	V+	J5
Blue/Shield	GND	J2
Yellow	RS485-A	J8
Purple	RS485-B	J7

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Data Logger Connection

- 1 Setup your data logger on WQData LIVE by:
 - a. Following the Quick Start Guide included with your order.
 - b. Visiting the **NexSens Knowledge Base | Data Logger | User Guides** on the NexSens website.

- 2 Once this is completed:
 - a. Plug the sensor into the data logger.
 - b. After the next logger reading, confirm that the sensor is uploaded to the WQData LIVE project, and is showing valid readings.
 - c. Gather a few readings before deployment.

Deployment Notes

When deploying the CT2X, ensure the UW-FWP connector vent will not become submerged. The included desiccant bag should be replaced whenever the connector is opened and moisture is found inside the plug.

Excessive moisture or submersion of the connector will prevent the sensor from equalizing with atmospheric pressure and lead to reduced performance or sensor damage.



For additional information, please read the CT2X Manual located on the Seametrics website.

<https://www.seametrics.com/wp-content/uploads/LT-14308r19-20190114-CT2X-Instr.pdf>