

PT12 Submersible Pressure Sensor Quick Start Guide

Designed to resist the elements, the Seametrics PT12 delivers accurate pressure and temperature readings in rugged environments. This industry standard is compatible with NexSens data loggers using SDI-12 or Modbus communication.



Connection

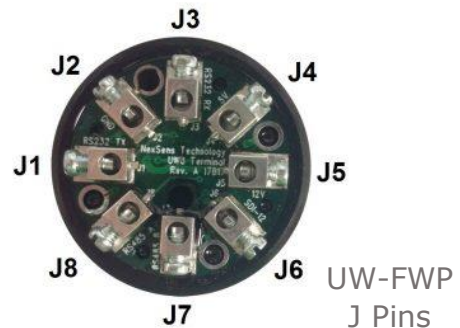
Note: Most sensors will have factory-installed UW connectors. If this is the case, skip to the **Data Logger Connection** section.

For compatibility with an X2 data logger, a PT-12 sensor must be fitted with a UW Field Wireable Plug.

Follow the wiring table below to properly wire your PT-12 into a UW-FWP.



UW-FWP



UW-FWP
J Pins

Wiring Table

PT-12 Sensor Wire	UW-FWP Pin	Signal
Blue/Shield	J2	Ground
White	J5	12V
Brown	J6	SDI-12
Purple	J7	RS-485 B
Yellow	J8	RS-485 A

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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 PT-12, ensure the UW-FWP connector's vent will not become submerged.

Submersion will prevent the sensor from equalizing to the atmospheric pressure and may lead to moisture incursion and sensor damage.



For additional information, please read the Seametrics PT-12 sensor manual located on the Seametrics website.

<https://www.seametrics.com/wp-content/uploads/LT-14372r18-20180306-PT12-Instr.pdf>