

APG PT-500 Quick Start Guide

The APG PT-500 Submersible Pressure Transducer is compatible with the NexSens X2 data logger using the RS-485 Modbus RTU output for real-time water level monitoring.



Connection

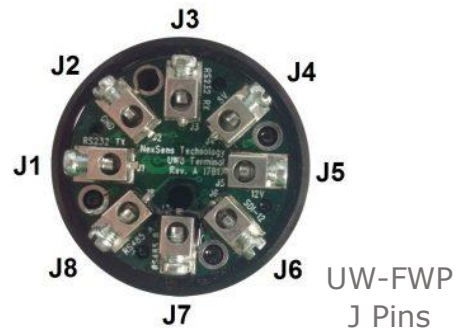
Note: Most sensors will have factory-installed UW connectors. If this is the case, skip to the **Data Logger Connection** section.

For compatibility with an X2 data logger, a PT-500 sensor must be fitted with a UW Field Wireable Plug.

Follow the wiring table below to properly wire your PT-500 into a UW-FWP.



UW-FWP



UW-FWP
J Pins

Wiring Table

| APG PT-500 Wire Color | Signal | UW-FWP J Pin Connection |
|-----------------------|---------|-------------------------|
| Red | V+ | J5 |
| Black | GND | J2 |
| White | RS485-A | J8 |
| Green | 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 PT-500, 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 APG PT-500 Manual located on the Fondriest Environmental website.

https://www.fondriest.com/pdf/apg_pt-500_manual.pdf