

Connecting APG PT-500 Submersible Pressure Transducer

Automation Products Group, Inc. (APG) is a leading supplier of pressure, flow, and level sensors.

The APG PT-500 Submersible Pressure Transducer is compatible with the NexSens X2 data logger using the RS-485 Modbus RTU output. Complete configuration information can be found at:

APGs Sensor Manual

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



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Connectorization

For compatibility, sensors must have UW connectors. There are 3 options:

- Factory installed UW-FWP connectors
- UW Plug and Flying Lead cable with optional [vent cap](#) (recommended)
- UW Field Wireable Plug



Factory installed UW-FWP connectors



UW to Flying Lead Cable



UW Field Wireable Plug

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PT-500 Wiring

When wiring an APG PT-500 into a field wireable plug follow the wiring table to ensure that the sensor communicates properly.

Signal	PT-500 Wire Color	UW-FWP J#
V+	Red	J5
V-	Black	J2
RS485-A	White	J8
RS485-B	Green	J7



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Deployment notes

When deploying the PT-500-UW, ensure the UW-8 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.

