

Connecting INW PT12 Submersible Pressure Transducer

The INW PT12 Submersible Pressure Transducer is compatible with the NexSens X2 data logger using a RS-485 Modbus RTU output. Complete configuration information can be found at:

INW's Sensor Manual

https://www.fondriest.com/pdf/inw_pt12_manual.pdf



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PT12 Wiring

When wiring an INW PT12 into a field wireable plug follow the wiring table to ensure that the sensor communicates properly.

PT-12 Sensor Wire	UW-FWP Pin	Signal
-	J ¹	RS-232 Tx
Blue/Shield	J ²	Ground
-	J ³	RS-232 Rx
-	J ⁴	5V
White	J ⁵	12V
Brown	J ⁶	SDI-12
Purple	J ⁷	RS-485 B
Yellow	J ⁸	RS-485 A



UW-FWP Terminal Pin Numbering



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Deployment notes

When deploying the INW PT12, 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.

