

Connecting Vaisala WXT530 Series - Weather Transmitter

The Vaisala WXT530 is a series of weather transmitters that provides six of the most important weather parameters, which are air pressure, temperature, humidity, rainfall, wind speed and direction through various combinations.

The WXT530 series of weather transmitters are compatible with the NexSens X2 data logger and use the SDI-12 communication protocol. Complete configuration information can be found at:

Vaisala WXT530-series Manual

https://www.fondriest.com/pdf/vaisala_wxt530_manual.pdf



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Connectorization

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

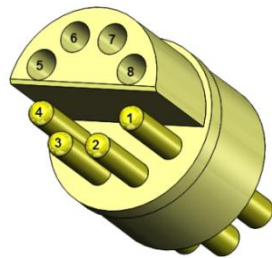
- Factory installed UW connectors
- UW Plug and Flying Lead cable
- UW Field Wireable Plug

Recommendation: Invest in factory connectorization of all sensors for a long-term, robust and waterproof connection

Signal	UW-8P	Color	UW-FWP	UW-FWP
RS-232 Tx	1	Orange	RS-232 Tx	J ¹
Ground	2	Black	Ground	J ²
RS-232 Rx	3	Yellow	RS-232 Rx	J ³
5V	4	White	5V	J ⁴
12V	5	Red	12V	J ⁵
SDI-12	6	Brown	SDI-12	J ⁶
RS-485 B	7	Blue	RS-485 B	J ⁷
RS-485 A	8	Green	RS-485 A	J ⁸



UW to Flying Lead Cable



UW-8P



UW Field Wireable Plug

