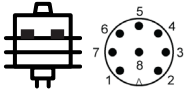









# VAISALA WXT536 | COMPACT WEATHER STATION

## SENSOR WIRING TABLE

Sensor Model	Sensor Pin		Manufacturer Colors		Orbit 360		
					Section	Terminal	Type
 Base sensor view / Soldering connector view.	3	Data GND		Green	RS485	35 39	(-)
	2	Us (+)		Brown	RS485	36 40	(+)*
	8	GND		Red	RS485	35 39	(-)
	5	Data (+)		Grey	RS485	33 37 41	A1, A2, A3
	7	Data (-)		Blue	RS485	34 38 42	B1, B2, B3
	Shield			Yellow-Green	Power Input		

**Note:** This sensor has to be preconfigured before it is configured in Atlas software.

(+)\* = Bat+ with current limited (200mA). Only 1 sensor must be powered per terminal.

## RS485 DIGITAL OUTPUT:

Parameter	Sensor settings
Baudrate	9600
Data bits	8
Parity	None
Stop bits	1

## REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 PREMIUM**.

Minimum **firmware** required: **2.41**.

## HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model. The variables from the digital output signal can be chosen (or assigned) to either a frequency or an analog channel according to the list here below.

### Example:

Serial bus 1 baud rate: 9600bps

Bus: Serial 1 >>> ID: A >>> Sensor model: Vaisala WXT536 >>> Name: WXT536\_SERIAL1\_A

- Group: Frequency channels
- Sensor Type: Serial device
- Sensor Model: **WXT536\_SERIAL1\_A**
  - Sensor Model: **Horizontal Speed**
- Group: Analog channels
- Sensor Type: Serial device
- Sensor Model: **WXT536\_SERIAL1\_A**
  - Sensor Model: **Wind Vane**
  - Sensor Model: **Pressure**
  - Sensor Model: **Humidity**
  - Sensor Model: **Temperature**
  - Sensor Model: **Precipitation**

**Important!** Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

Sensor response time: **450ms**.

**The sum of the response times of all the sensors connected to the same bus must not exceed 850ms.**

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For more information please contact [web@kintech-engineering.com](mailto:web@kintech-engineering.com) or visit our website [www.kintech-engineering.com](http://www.kintech-engineering.com)