

GILL GMX | COMPACT WEATHER STATION

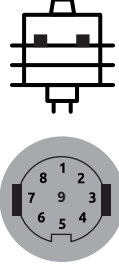





















GMX 500

GMX 600

CABLE RECOMMENDATION

Signal cable up to 150m: **6x0.5 mm² + shield**. For longer cable, please consult sensor manufacturer.

SENSOR WIRING TABLE

Sensor Model	Sensor Pin		Kintech Colors		Orbit 360		
					Section	Terminal	Type
 <i>Base sensor view / Soldering connector view.</i>	1	Data GND		Brown	RS485	 	(-)
	2	Us (+)		Red	RS485	 	(+)*
	3	GND		Blue	RS485	 	(-)
	4	Data (+)		Grey Pink	RS485	  	A1, A2, A3
	6						
	5	Data (-)		Green Yellow	RS485	  	B1, B2, B3
	7						
	8		Do not connect				
	9		Do not connect				
	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.

REQUIRED DATA LOGGER VERSION

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

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

RS485 DIGITAL OUTPUT:

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

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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: Gill GMX500/600 >>> Name: GMX_SERIAL1_A

- | | |
|---|--|
| ● Group: Frequency channels | ● Group: Analog channels |
| ● Sensor Type: Serial device | ● Sensor Type: Serial device |
| ● Sensor Model: GMX_SERIAL1_A | ● Sensor Model: GMX_SERIAL1_A |
| ● Sensor Model: Horizontal Speed | ● Sensor Model: Wind Vane |
| | ● Sensor Model: Pressure |
| | ● Sensor Model: Humidity |
| | ● Sensor Model: Temperature |
| | ● Sensor Model: Accumulated precipitation |
- (Only for GMX600)

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: **61ms**.

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
or visit our website www.kintech-engineering.com