

GILL WINDMASTER 3D | ULTRASONIC ANEMOMETER

















WINDMASTER (0...50m/s)
















WINDMASTER PRO (0...65m/s)

CABLE RECOMMENDATION

Signal cable up to 150m: **4x0.5 mm² + shield**. For longer cable, please consult sensor manufacturer.

SENSOR WIRING TABLE

Sensor Model	Manufacturer colors & Sensor Pin				Kintech Cable Colors		Orbit 360		
							Section	Terminal	Type
	1	TXA-		Green		White	RS485		B
	6	RXA-		White					
	2	TXB+		Pink		Yellow	RS485		A
	5	RXB+		Yellow					
	12	0V		Brown		Brown	Power Input		-
	4	-		Grey					
	11	V+		Red		Green	Power Input		
		Shield					Yellow-Green	Power Input	

Sensor Model	Manufacturer colors & Sensor Pin				Kintech Cable Colors		ADAM	Charge regulator	*EOL Zenith	
									Section	Terminal
	1	TXA-		Green		White	DATA-			
	6	RXA-		White						
	2	TXB+		Pink		Yellow	DATA+			
	5	RXB+		Yellow						
	12	0V		Brown		Brown		BAT (-)	BAT	
	4	-		Grey						
	11	V+		Red		Green		BAT (+)	BAT	
		Shield					Yellow-Green			BAT
							Vs (+)	Load (+)		
							GND	Load (-)		

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

*EOL Zenith should have the Ultrasonic Module installed by Kintech Engineering beforehand.

REQUIRED DATA LOGGER VERSION

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

Minimum **firmware** required: **any**



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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 on the Orbit 360 Premium according to the list here below.

Example:

Serial bus 1 baud rate: 9600bps

Bus: Serial 1 >>> ID: A >>> Sensor model: Gill ultrasonic >>> Name: GL_SERIAL1_A

- Group: Frequency channels
- Sensor Type: Serial device
- Sensor Model: **GL_SERIAL1_A**
 - Sensor Model: **Horizontal Speed**
- Group: Analog channels
- Sensor Type: Serial device
- Sensor Model: **GL_SERIAL1_A**
 - Sensor Model: **Windvane**
 - Sensor Model: **Vertical Speed**
 - Sensor Model: **Temperature**

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.

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

- Group: Anemometer/Frequency
- Sensor Type: Ultrasonic
- Sensor Model: **Gill A**
- Group: Analog Inputs
- Sensor Type: Ultrasonic
- Sensor Model: **Gill A Windvane**
- Sensor Model: **Gill A Vert Anemo**
- Sensor Model: **Gill A Temperature**

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