WARNING

The following is a series of wiring diagrams for several different sensors. Please locate the sensor you are going to use in the list below and follow the corresponding wiring diagram and setup in either Atlas or EOL Manager.

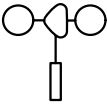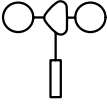# VECTOR A100 | CUP ANEMOMETER

A100L2
A100LK
A100LM

CABLE RECOMMENDATION

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

SENSOR WIRING TABLE

Sensor Model	Sensor Pin Manufacturer Cable Colors				Kintech Cable Colors		Orbit 360			*EOL Zenith	
							Section	Terminal	Type	Section	Terminal
A100LK A100LM	Out (+)	Pulse Out	○	White	○	White	Frequency Channels	2 5 8 11 14 17 20 23 26 29	Signal	Anemometer Inputs	1 2 3 4 5 6 7 8 9 10
	Out (-)	Reference	●	Yellow	●	Yellow	Frequency Channels	1 4 7 10 13 16 19 22 25 28	(-)	Anemometer Inputs	– –
	Us (-)	Supply (-)	●	Blue	●	Brown	Frequency Channels	1 4 7 10 13 16 19 22 25 28	(-)	Anemometer Inputs	– –
	Us (+)	Supply (+)	●	Red	●	Green	Frequency Channels	3 6 9 12 15 18 21 24 27 30	5V	Anemometer Inputs	5V 5V
	Shield				◐	Yellow Green	Power Input	⏚		BAT	⏚

Sensor Model	Sensor Pin Manufacturer Cable Colors				Kintech Cable Colors		Orbit 360			*EOL Zenith	
							Section	Terminal	Type	Section	Terminal
A100L2	Out (+)	Pulse Out	○	White	○	White	Frequency Channels	2 5 8 11 14 17 20 23 26 29	Signal	Anemometer Inputs	1 2 3 4 5 6 7 8 9 10
	Out (-)	Reference	●	Yellow	●	Yellow	Frequency Channels	1 4 7 10 13 16 19 22 25 28	(-)	Anemometer Inputs	– –
	Us (-)	Supply (-)	●	Blue	●	Brown	Frequency Channels	1 4 7 10 13 16 19 22 25 28	(-)	Anemometer Inputs	– –
	Us (+)	Supply (+)	●	Red	●	Green	Power Input	⊕		BAT	+
	Shield				◐	Yellow Green	Power Input	⏚		BAT	⏚

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**

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:

A100L2 & A100LK
- Group: Frequency channels
- Sensor Type: Anemometer
- Sensor Model: **Vector A100L2/LK**

A100LM
- Group: Frequency channels
- Sensor Type: Frecuency
- Sensor Model: **Hertz**
- Slope: 0.1

For more information please contact **web@kintech-engineering.com** or visit our website **www.kintech-engineering.com**

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VECTOR A100 | CUP ANEMOMETER

A100L2

A100LK

A100LM

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the Upload settings tool, to upload the sensor configuration to the data logger.

In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:

1. Turn on the data logger.

2. Using the keypad on the data logger, navigate the menu until you see Sensor model, then click the "right arrow" on the keypad.

3. Now scroll down to the channel you are going to connect the sensor to, and click the "right arrow" on the keypad.

4. Now click "Set" on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the "right arrow" key twice to select it and save.

5. Click the "left arrow" several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Wind speed	23	VECTOR_A100LK
EOL ZENITH	any	Wind speed	23	VECTOR_A100LK

Keep in mind: *if the sensor channel has been configured as Hertz, the output values on data logger display will always be shown in Hertz. Remember to fill in both the slope and the offset to see real sensor values in* **m/s** *in your datasets during a real-time connection with the data logger (from either Atlas or Atlas Mobile).*
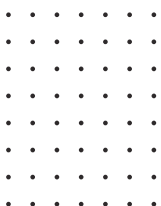
HOW TO CONFIGURE IN EOL MANAGER

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:

A100L2 & A100LK
- Group: Anemometers/Frequency
- Sensor Type: Anemometer
- Sensor Model: **VECTOR A100L2/LK**

A100LM
- Group: Anemometers/Frequency
- Sensor Type: Anemometer
- Sensor Model: **VECTOR A100L2/LK**
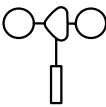- Slope: 0.1
- Offset: 0

VECTOR A100 | CUP ANEMOMETER

A100R/S

CABLE RECOMMENDATION

Signal cable up to 150m: **2x0.5 mm² + shield**. For longer cable, please consult sensor manufacturer.

SENSOR WIRING TABLE

Sensor Model	Manufacturer Cable Colors		Kintech Cable Colors		Kintech Connector R:3k3			Orbit 360			EOL Zenith	
								Section	Terminal	Type	Section	Terminal
	🟢	Green	⚪	White		🔴	Red	Frequency Channels	3 6 9 12 15 18 21 24 27 30	5V	Anemometer Inputs	5V 5V
						⚫	Black	Frequency Channels	1 4 7 10 13 16 19 22 25 28	(-)	Anemometer Inputs	– –
	🟡	Yellow	🟤	Brown		🟢	Green	Frequency Channels	2 5 8 11 14 17 20 23 26 29	Sig-nal	Anemometer Inputs	1 2 3 4 5 6 7 8 9 10
	🔵	Blue			Do not connect							
	🔴	Red			Do not connect							
		Shield	🟡🟢	Yellow - Green	🟡🟢		Yellow - Green	Power Input	⏚		BAT	⏚

REQUIRED DATA LOGGER VERSION

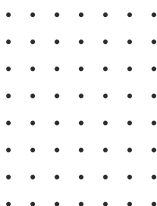Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**

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:
- Group: Frequency channels
- Sensor Type: Anemometer
- Sensor Model: **Vector A100R/A100S**

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.

For more information please contact **web@kintech-engineering.com**
or visit our website **www.kintech-engineering.com**

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VECTOR A100 | CUP ANEMOMETER

A100R/S

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the Upload settings tool, to upload the sensor configuration to the data logger.

In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:

1. Turn on the data logger.

2. Using the keypad on the data logger, navigate the menu until you see Sensor model, then click the "right arrow" on the keypad.

3. Now scroll down to the channel you are going to connect the sensor to, and click the "right arrow" on the keypad.

4. Now click "Set" on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the "right arrow" key twice to select it and save.

5. Click the "left arrow" several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Wind speed	03	VECTOR_A100R_S
EOL ZENITH	any	Wind speed	03	VECTOR_A100R_S

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: Anemometers/Frequency
- Sensor Type: Anemometer
- Sensor Model: **VECTOR A100R/A100S**

Last modified: 14.06.2021

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