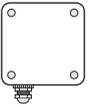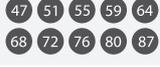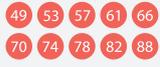# VAISALA PTB10X | PRESSURE SENSOR

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 Cable Colors		Orbit 360			EOL Zenith	
				Section	Terminal	Type	Section	Terminal
	GND	●	Brown	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	BAT	−
	AGND	●	Yellow	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	Vout	○	White	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs / Extra Analog	1 2 3 4 5 / 1 2 3 4 5 6 7 8
	Supply	●	Green	Analog Channels	49 53 57 61 66 70 74 78 82 88	*(+)	BAT	+
	Ext. TRIGGER	●	Pink	Frequency Channels	3 6 9 12 15 18 21 24 27 30	5V	Anemometer Inputs	5V 5V
	Shield	◐	Yellow Green	Power Input	⏚		BAT	⏚

Note:

Data logger hardware version < 3, (+) = Bat+ with current limited (12mA). Only 1 sensor must be powered on each output terminal.

Data logger hardware version ≥ 3, (+) = Bat+ with current limited (50mA). Only 1 sensor must be powered on each output terminal.

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: Analog channels
- Sensor Type: Pressure
- Sensor Model: **Vaisala PTB100A**

Model	Range (mBar)	Output (V)	Sensor type	Slope	Offset
PTB100B	600-1060	0-5	VAISALA PTB100A	92	600
PTB101B	600-1060	0-2.5	VAISALA PTB100A	184	600
PTB101C	900-1100	0-2.5	VAISALA PTB100A	80	900
PTB110	800-1100	0-5	VAISALA PTB100A	60	800
PTB110	600-1100	0-5	VAISALA PTB100A	100	600

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**

Kintech engineering

VAISALA PTB10X | PRESSURE SENSOR

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	Pressure	32	PRES VaisalaPTB100
EOL ZENITH	any	Pressure	32	PRES VaisalaPTB100

Keep in mind: *the output values on data logger display will always be shown with PTB100A slope and offset. Remember to fill in both the slope and the offset for pressure sensor to see real sensor values (according to the chosen model) in* **mbar** *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:

- Group: Analog Inputs
- Sensor Type: Pressure
- Sensor Model: **VAISALA PTB100A**

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

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