

**Sensors**

## K type thermocouples connection

**Question:**

How can I connect K type thermocouple sensors to my AiM MXx/EVOx device?

**Answer:**

K type thermocouple sensors can be connected to the AiM devices in the following ways:

- AiM wiring harness (main or optional): each wiring harness for **MXx devices** can be purchased with one or two Mignon connectors to be able to connect K Type Thermocouple sensors. Product codes are specified below:

37pins main harness with 1 thermocouple	<b>V02573040</b>
37pins main harness with 2 thermocouples	<b>V02573050</b>
22pins optional harness with 1 thermocouple	<b>V02573080</b>
22pins optional harness with 2 thermocouples	<b>V02573160</b>

- Specific extension cables for K type thermocouples for **EVO4S** are available. Product codes are specified below, according to the extension cable length:

Extension cable for thermocouple connection;

cable length: 50cm	<b>V02PCB05MXG</b>
cable length: 100cm	<b>V02PCB10MXG</b>
cable length: 150cm	<b>V02PCB15MXG</b>
cable length: 200cm	<b>V02PCB20MXG</b>
cable length: 250cm	<b>V02PCB25MXG</b>
up to...	...
cable length: 600cm	<b>V02PCB60MXG</b>

- AiM wiring harness (main): each wiring harness for **EVO5** can be purchased with one or two Mignon connectors to be able to connect K Type Thermocouple sensors. Product codes are specified below:

37pins main harness with 1 thermocouple	<b>V02586040</b>
37pins main harness with 2 thermocouples	<b>V02586050</b>



## Sensors

- TC Hub (**P.N.: X08TCHUBBM**): compatible module with MXx and EVOx devices; it is a channel multiplier that can manage this sensors types. It samples the signal with frequencies up to 50 Hz. Connecting more TC Hub modules (through a Data Hub) it is possible to monitor many temperatures.

To be able to connect a K type thermocouple to the TC Hub, a specific extension cable is necessary. Product codes are specified below, according to the extension cable length:

Extension cable for thermocouple connection;

cable length: 50cm	<b>V03CCB05M</b>
cable length: 100cm	<b>V03CCB10M</b>
cable length: 150cm	<b>V03CCB15M</b>
cable length: 200cm	<b>V03CCB20M</b>
cable length: 250cm	<b>V03CCB25M</b>
up to...	...
cable length: 600cm	<b>V03CCB60M</b>

For further details refer to the relevant documentation for thermocouple sensors, available in the Download -> Documentation -> Sensors area of our website [www.aim-sportline.com](http://www.aim-sportline.com).