

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	V02573040
37pins main harness with 2 thermocouples	V02573050
22pins optional harness with 1 thermocouple	V02573080
22pins optional harness with 2 thermocouples	V02573160

- 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	V02PCB05MXG
cable length: 100cm	V02PCB10MXG
cable length: 150cm	V02PCB15MXG
cable length: 200cm	V02PCB20MXG
cable length: 250cm	V02PCB25MXG
up to...	...
cable length: 600cm	V02PCB60MXG

- 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	V02586040
37pins main harness with 2 thermocouples	V02586050

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- 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	V03CCB05M
cable length: 100cm	V03CCB10M
cable length: 150cm	V03CCB15M
cable length: 200cm	V03CCB20M
cable length: 250cm	V03CCB25M
up to...	...
cable length: 600cm	V03CCB60M

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.