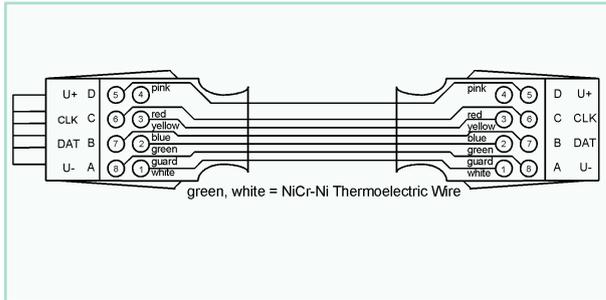


GENERAL ACCESSORIES

Extension Cable for NiCr-Ni Sensors



Extensions up to 4 meters

Passive extension cables ZA9020VK (NiCr-Ni)

Passive 8-pin extension cables with ALMEMO® connectors are available in lengths 1, 2, and 4 meters; for NiCr-Ni thermocouples special extension cables with an integrated compensation line are available (ZA 9020 VK1/2/4).

The cable length between sensor connector and measuring instrument must not exceed four (4) meters; if this maximum length is exceeded, communications with the connector EEPROM may be adversely affected.

 The total length of all passive extension cables connected to an ALMEMO® measuring instrument must not exceed four (4) meters. If the total length exceeds this, the device's internal data bus may, depending on environmental conditions, be subject to interference.

Extensions, 5 meters and longer

Longer sensor lines

If distances exceeding this really are necessary, then - instead of extension cables - longer sensor lines should be used.

For this purpose the sensor connector must be detached, the sensor cable extended in the conventional way with a compensation line, and the connector then refitted to the end.

Active extension cables ZA9020VKP (NiCr-Ni)

If for some reason it is not possible to extend the sensor cable itself, an active extension cable ZA9020VKP (NiCr-Ni) can be used.

This cable incorporates an ALMEMO® connector with an integrated EEPROM for data storage; this connector is a copy of the sensor connector. A compensation line is used for the extension.

The terminals in the connectors are also made from thermo material.

If correction values or other sensor-specific settings have been programmed in the sensor connector (e.g. comments, average values, etc.), these must also be programmed (being a copy) in the ALMEMO® connector on the extension cable.

The active extension cable is then sensor-specific.

Types :

Extension cable, from NiCr-Ni compensation line

1 meter long (passive)

2 meters long (passive)

4 meters long (passive)

10 meters long (active, with EEPROM, sensor-specific)

Order no. ZA9020VK1

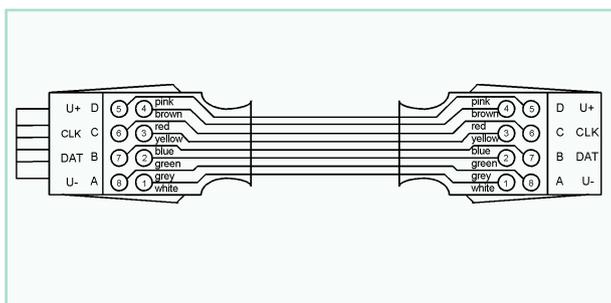
Order no. ZA9020VK2

Order no. ZA9020VK4

Order no. ZA9020VKP10

Extension cable for all other measuring probes (except thermocouples)

new!



Extensions up to 4 meters

Passive extension cables ZA9060VK

Passive 8-pin extension cables with ALMEMO® connectors are available in lengths of 1, 2, and 4 meters (ZA 9060 VK1/2/4); these are suitable for all sensors (except thermocouples).

The cable length between sensor connector and measuring instrument must not exceed four (4) meters; if this maximum length is exceeded, communications with the connector EEPROM may be adversely affected.

 The total length of all passive extension cables connected to an ALMEMO® measuring instrument must not exceed four (4) meters. If the total length exceeds this, the device's internal data bus may, depending on environmental conditions, be subject to interference.

Extensions, 5 meters and longer

Longer sensor lines

If distances exceeding this really are necessary, then - instead of extension cables - longer sensor lines should be used. For this purpose the sensor connector must be detached, the sensor cable extended in the conventional way, and the connector then refitted to the end.

New

Intelligent extension cable ZA 9090 VKC with RS485 from 5 meters and above

If the sensor cable cannot be extended as such, it is still possible to use new intelligent extension cable(s) ZA9060-VKC with microcontroller for up to 100 meters. Two microcontrollers transmit EEPROM data from the sensor connector and measured data from digital sensors (DIGI) in both directions via RS485 and make this interference-resistant data available for the measuring instrument. Sensors can thus be freely interchanged as and when necessary (e.g. calibrated sensors with correction values, multi-point calibration or special linearization (ZAxxxSS)).

 These intelligent extension cables cannot be used for thermocouples or for sensors with a frequency / pulse output (e.g. turbines / rotating vanes FVA915, frequency / pulse / rotational speed ZA 9909 AKx / FUA 9192, DC measuring modules ZA 99xx AB).

 When using extension cable(s) operation in sleep mode is not possible.

Types :

Extension cable for all other sensors (max. 5 meters passive)

1 meter long (passive)

2 meters long (passive)

4 meters long (passive)

New

5 meters long (intelligent, with microcontroller, not sensor-specific)

10 meters long (intelligent, with microcontroller, not sensor-specific)

20 meters long (intelligent, with microcontroller, not sensor-specific)

30 meters long (intelligent, with microcontroller, not sensor-specific)

50 meters long (intelligent, with microcontroller, not sensor-specific)

100 meters long (intelligent, with microcontroller, not sensor-specific)

Order no. ZA9060VK1

Order no. ZA9060VK2

Order no. ZA9060VK4

Order no. ZA9090VKC5

Order no. ZA9090VKC10

Order no. ZA9090VKC20

Order no. ZA9090VKC30

Order no. ZA9090VKC50

Order no. ZA9090VKC100

01/2011 We reserve the right to make technical changes.

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