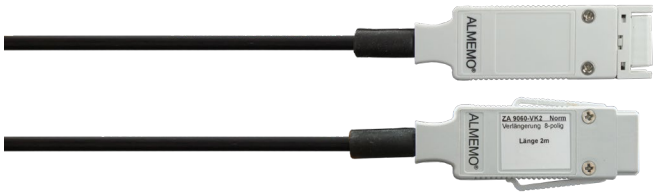
ALMEMO® extension cable up to 2 meters length for all ALMEMO® devices (V5, V6, V7)

Passive extension cable ZA 9060-VK for all ALMEMO® sensors (analog, DIGI, D6, D7) except for thermocouple sensors.



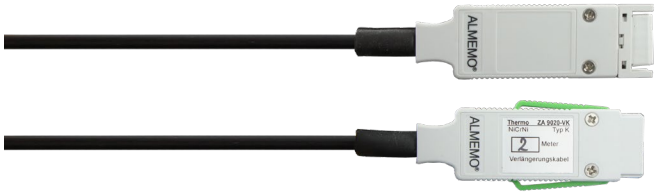
Technical data and functions

- The passive ALMEMO® extension cables ZA 9060-VK are used for all ALMEMO® sensors (analog, DIGI, D6, D7) except for thermocouple sensors and for all ALMEMO® devices (V5, V6, V7).
- The extension cables have an ALMEMO® connector/ coupling and are plugged between the ALMEMO® sensor plug and the ALMEMO® measuring instrument.
- The measuring signal or the digital measured values and the parameters saved in the ALMEMO® sensor plug are evaluated by the ALMEMO® measuring instrument via the extension cable.
- Note: Many ALMEMO® sensors can be delivered with a longer connecting cable. Please do not hesitate to ask!

! Please note:
Connecting cables must not be plugged together!

Variants:	**Order no.**
Passive extension cable for all ALMEMO® sensors (analog, DIGI, D6, D7) except for thermocouple sensors, for all ALMEMO® devices (V5, V6, V7).	
1 meter long	**ZA9060VK1**
2 meters long	**ZA9060VK2**

Passive extension cable ZA 9020-VK up to 4 m length for ALMEMO® sensor NiCr-Ni



Technical data and functions

- The passive ALMEMO® extension cables NiCr-Ni ZA 9020-VK are used for ALMEMO® sensors NiCr-Ni and for all ALMEMO® devices (V5, V6, V7).
- The extension cables NiCr-Ni feature a specific cable with integrated compensating cable NiCr-Ni, have an ALMEMO® connector / coupling, and are plugged between the ALMEMO® sensor plug and the ALMEMO® measuring instrument.
- The measuring signal and the parameters saved in the ALMEMO® sensor plug are evaluated by the ALMEMO® measuring instrument via the extension cable
- Note: ALMEMO® extension cables are only available for thermocouple type K, NiCr-Ni. Many ALMEMO® thermocouple sensors can be delivered with a longer thermal line / compensation line. Please do not hesitate to ask.

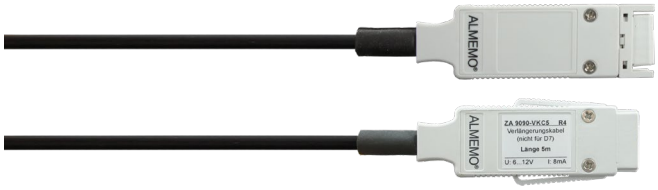
! Please note:
Connecting cables must not be plugged together!

Variants:	**Order no.**
Passive extension cable for ALMEMO® sensor NiCr-Ni and for all ALMEMO® devices (V5, V6, V7).	
1 meter long	**ZA9020VK1**
2 meters long	**ZA9020VK2**
4 meters long	**ZA9020VK4**

11/2025 • We reserve the right to make technical changes.

ALMEMO® extension cable up to 100 meters in length for all ALMEMO® devices (V5, V6, V7)

Intelligent extension cable ZA 9090-VKC up to 100 meter in length for all ALMEMO® sensors, analog, D6, except for D7, except for thermocouple sensors.



Technical data and functions

- The intelligent ALMEMO® extension cables ZA 9090-VKC are used for analog ALMEMO® sensors, D6, except for D7, except for thermocouple sensors and for all ALMEMO® devices (V5, V6, V7).
- The extension cables have an ALMEMO® connector/ coupling (each with a microcontroller) and are plugged between the ALMEMO® sensor plug and the ALMEMO® measuring instrument. The current consumption of the extension cable is approximately 8 mA.
- The analog measuring signals are transferred analogy via the intelligent extension cable, the digital measured values and the parameters saved on the ALMEMO® sensor plug are digitally transferred via CRC and evaluated by the ALMEMO® measuring instrument.
- The ALMEMO® sensors can be exchanged arbitrarily. The intelligent extension cable does not influence the measurement operation even in case calibrated sensors with adjustment / multi-point adjustment or sensors with special linearizations (saved on the ALMEMO® sensor plug) are used.
- Note: Many ALMEMO® sensors can be delivered with a longer connecting cable. Please do not hesitate to ask!

! **Please note:**
The intelligent extension cables ZA 9090-VKC are **not suitable for:**

- ALMEMO® plug for frequency, pulse, rotational speed ZA 9909-AKx,
- ALMEMO® rotational speed sensor FU A919-x,
- ALMEMO® plug for digital signals (voltage) ZA 9000-ES2/EK2,
- ALMEMO® measuring module for DC voltage / DC ZA 9900-AKx, ZA 9901-AKx (no average value),
- ALMEMO® flow sensors FV A915-Vx,
- ALMEMO® vane anemometer FV A915-x (new variant FVAD 15-x can be used),
- Meteorological transducer FM A510.

Connecting cables must not be plugged together!
If the intelligent extension cable ZA 9090-VKC is used, the device cannot operate in sleep mode.

Variants:

	Order no.
Intelligent extension cable for ALMEMO® sensors, analog, D6, except for D7, except for thermocouple sensors*, for all ALMEMO® devices (V5, V6, V7).	
5 meters long	**ZA9090VKC5**
10 meters long	**ZA9090VKC10**
20 meters long	**ZA9090VKC20**
30 meters long	**ZA9090VKC30**
50 meters long	**ZA9090VKC50**
100 meters long	**ZA9090VKC100**

*ALMEMO® extension cable with compensating cable for thermocouple sensor NiCr-Ni on request!

ALMEMO® D7 extension cable, up to 100 meters in length and electrically isolated, for ALMEMO® V7 devices and ALMEMO® D7 sensors

Digital extension cable ZAD7 00-VK, up to 100 meters in length, for ALMEMO® D7 sensors



Technical data and functions

- ALMEMO® digital extension cable ZAD7 00-VK is used for ALMEMO® V7 devices and for ALMEMO® D7 sensors.
- Each such extension cable incorporates an ALMEMO® plug / coupling (each with integrated microcontroller); it should be connected between the ALMEMO® sensor plug and the ALMEMO® measuring instrument. Current consumption for this extension cable is approx. 2 mA.
- The digital measured values and the parameters saved in the ALMEMO® sensor plug are transferred in digital form via an RS485 link with CRC to the ALMEMO® measuring instrument, which then evaluates them.
- The ALMEMO® sensors can be freely interchanged. The digital extension cable has no effect on the measuring operation; this also applies to calibrated sensors with adjustment / multi-point adjustment.
- With digital extension cable ZAD7 00-VK device operation in sleep mode is possible; (sleep delay must be programmed in the sensor plug).

Please note:
Connecting cables must not be plugged together!

Variants:	**Order no.**
Digital extension cable for ALMEMO® V7 devices and for ALMEMO® D7 sensors.	
5 meters long	**ZAD700VK05**
10 meters long	**ZAD700VK10**
20 meters long	**ZAD700VK20**
30 meters long	**ZAD700VK30**
50 meters long	**ZAD700VK50**
100 meters long	**ZAD700VK100**

ALMEMO® D7 electrical isolation element ZAD7 00-GT



Technical data and functions

- Electrical isolation element ZAD7 00-GT is used to isolate the ALMEMO® V7 device and the ALMEMO® D7 sensor from one another. This also electrically isolates the ALMEMO® D7 sensor with respect to the other connected ALMEMO® sensors.
- The electrical isolation element is a short pluggable cable with ALMEMO® plug / coupling. The ALMEMO® coupling incorporates an integrated 12 V DC/DC converter ensuring electrical isolation between the power supply to the ALMEMO® electronics and that to the connected sensor. The digital data link is electrically isolated via an optocoupler. The maximum insulation voltage is 50 V (continuous).
- The electrical isolation element is plugged directly onto the ALMEMO® V7 device. Current consumption for this electrical isolation element is approx. 8 mA. It is also possible to use an ALMEMO® D7 extension cable between the electrical isolation element and the ALMEMO® D7 sensor.
- As with the ALMEMO® D7 extension cable, the ALMEMO® sensors can be freely interchanged. The electrical isolation element has no effect on the measuring operation; this also applies to calibrated sensors with adjustment / multi-point adjustment.
- As with the ALMEMO® D7 extension cable, device operation in sleep mode is possible; (sleep delay must be programmed in the sensor plug).

Please note:
It is not permitted to connect several electrical isolation elements in series.

Variants:	**Order no.**
Electrical isolation element for ALMEMO® V7 devices and for ALMEMO® D7 sensors Plug-in cable Length = 0.2 meters	**ZAD700GT**