ALMEMO® PC connection using USB data cable ZA 1919 DKU
RS232 data cable, type ZA 1909 DK5



- ALMEMO® USB data cable for data connection between an ALMEMO® device and a PC with a USB interface
- ALMEMO® RS232 data cable with a DSUB socket for data connection between an ALMEMO® device and a PC with a COM interface
- ALMEMO® optic fiber cable (RS232) for absolute electrical isolation and extensive protection against lightning.

Types:	Order no.
USB data cable, electrically isolated, maximum 921.6 kbaud, cable length 1.5 meters, including CD with Windows driver	**ZA1919DKU**
As above but cable length 5 meters	**ZA1919DKU-05**
RS232 data cable electrically isolated, max. 115.2 kbaud, Current consumption: approx. 1 mA, cable length: 1.5 m	**ZA1909DK5**
As above, but cable lengths 5 m / 10 m / 15 m	**ZA1909DK5-05 /-10 /-15**
RS232 data cable with optic fiber, max. 115.2 kbaud, Cable length 1.5 m	**ZA1909DKL**
Longer optic fiber (up to 50 m) for interiors, Duplex plastic 2.2 x 4.3 mm, per meter	**LL2243L**

ALMEMO® PC connection using Ethernet data cable ZA 1945 DK



- For connecting almost any ALMEMO® measuring instrument to an Ethernet PC network.
- Linking up to the Internet now possible.
- Terminal operation using our ALMEMO® Connect software, available free-of-charge.
- Measured data acquisition via several Ethernet modules using our WinControl software. (Version SW5600WC2 and above, see chapter Software).

Technical data

Ethernet:	Socket RJ45 (10/100 base-T) Automatic switchover 10 / 100 MHz
ALMEMO®	ALMEMO® connector for socket A1 Baud rate standard 9600 bd, max. 115.2 kbd (can be changed via Device Installer and browser)

Power supply	12 V DC via measuring instrument (suitable mains supply unit recommended)
Current consumption	<60 mA (10 MHz), <90 mA (100 MHz)

Accessories	Order no.
Patch cable RJ45, plug / plug, 2 meters	**ZB1904PK2**

Type	Order no.
Ethernet data cable, RJ45 socket on ALMEMO® connector, cable length 1.5 meters	**ZA1945DK**

Data cable for configuring digital ALMEMO® D6 / D7 sensors

Types	Order no.
ALMEMO® USB adapter cable length 1.5 meters for connecting an ALMEMO® D6 sensor to the USB port on a PC (power supply via USB)	**ZA1919AKUV**

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

ALMEMO® Network Interface Cables ZA 1999 NK5



Uses:

- Especially suitable for short distances and mobile measuring setups.
- Up to 100 ALMEMO® measuring instruments can be networked.

Advantages:

- Devices can be quickly and easily interconnected and networked.
- Low power consumption (approx. 1 mA) without additional power supply.
- You can easily assemble the network cable yourself, up to 50 m in length, using just two single network connectors ZA1999FS5 (a couple) and one four-wire cable.

! The device network will be blocked if the measuring instrument fails to operate.
No further peripheral devices can be connected (analog output, alarm relay etc.)

Types	Order no.
Network cable for cascading several devices for baud rates up to 115.2 kbaud	
current loop, electrically isolated, 1.5 m long	**ZA1999NK5**
As above, but cable lengths 5 m / 10 m / 15 m	**ZA1999NK5 -05/ -10 / -15/ -xx**
2 Network connectors (a couple) with screw terminals for local self-assembly	**ZA1999FS5**

ALMEMO® Network Interface Cables with Fiber Optics ZA 1999 NKL



Uses:

- Especially suitable for safe and reliable data transmission in industrial environments with high levels of interference.
- Up to 10 ALMEMO® measuring instruments can be networked (at 9600 baud, double this number, if the transmission rate is halved).

Advantages:

- Devices can be quickly and easily interconnected and networked.
- No EMC problems, highest possible immunity to interference, absolute electrical isolation of the instruments - even under high voltages.
- No additional voltage supply is required.
- You can easily assemble the network cable with plastic optic fiber yourself, up to 50 m in length, using just two single network connectors ZA1999FSL, without needing any special tools.

! The device network will be blocked if the measuring instrument fails to operate.
No further peripheral devices can be connected (analog output, alarm relay etc.)

Types	Order no.
Network cable with optic fiber for cascading several devices 1.5 m long	
for baud rates up to 115.2 kbaud	**ZA1999NKL**
As above, but cable lengths 5 m / 10 m / 15 m	**ZA1999NKL -05/ -10 / -15/ -xx**
Longer optic fiber cable for interiors, Duplex plastic 2.2 x 4.3 mm	**LL2243L** (please specify length L)
Network connector with optic fiber converter for local self assembly	**ZA1999FSL**