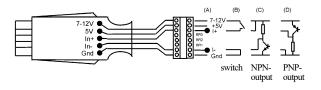
Input connectors and adapter cables

ALMEMO® Adapter Cable for Frequency / Pulse / Rotational Speed

for sensors, Supply: 5 V or direct from ALMEMO® device





Technical Data 0 to 15000 Hz (Resolution 1 Hz) Frequency range: 0 to 3200.0 Hz (Resolution 0.1 Hz) Speed range: 8 to 32000 rpm (Resolution: 1 rpm) Max. pulse count: 65000 Pulse length: > 50 ms 6 to 40 V, square-wave via optocoupler Input voltage Current consumption: 3 mA direct from ALMEMO® device Sensor supply (for voltage see technical data of ALMEMO® device) Option V12 12,2 to 12,5 V Sensor supply: $100 \text{mA} \text{ at } U_G = 9 \text{ to } 12 \text{ V}$ Output current:

 $(U_G = device sensor voltage)$

Types: (Cable le	Order no.		
Model	Meas. Range	Resolution	
Frequency	0 to 15000 Hz	1 Hz	
Frequency	0 to 3200,0 Hz	0.1 Hz (can, by inserting wire jumper, be switched to)	ZA9909AK1U
Pulses / Cycle	0 to 65000 Imp	1 Imp	ZA9909AK2U
Speed	8 to 32000 UpM	1 UpM	ZA9909AK4U
Option sensor supply 12 V			OA9909V12

ALMEMO® Adapter Cable for Digital Input Signals





Types: (cable length, 1.5m each)	Order no.
3 digital inputs, (optocoupler), for floating contacts, 5V auxiliary voltage led out	ZA9000ES2
4 digital inputs, electrically isolated (optocoupler) for external voltage, 4 to 30 V	ZA9000EK2

Input connectors and adapter cables

ALMEMO® Universal Adapter Cable with Free Ends

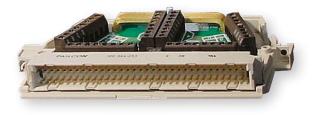


Types: Order no.

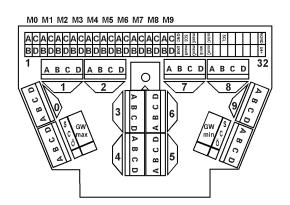
The ALMEMO® universal connector ZA 9000-FS is also available with connecting cable and free ends, as adapter cable ZA9000AK. The sensor supply voltage is present on terminal U+; it is supplied by the ALMEMO® device (sensor supply voltage 5 V, can be stabilized on request). Connecting cable: 8-wire, 8 x 0.14 mm², black, Length 1.5 m The wiring diagram and color code of the wires are consistent for all ALMEMO® sensors and cables, so that any pin configuration can be quickly and easily identified.

ZA9000AK

ALMEMO® 10-Fold MU Connector for ALMEMO® Plug-In Boards with 64-Pin Spring Contact Strip



NOT suitable for sensors needing interface circuitry (e.g. 26 V, AC voltage, mA, humidity sensors, rotating vanes, frequency, pulse, rotational speed) no sensor supply possible)



For Data acquisition systems ALMEMO® 5590 und 5990

The current MU connector version, ZA5690MU, can only be used in conjunction with the new ALMEMO® 5690 systems. The old MU connector version, ZA5590MU, can of course be used in conjunction with the old ALMEMO® 5590/5990 systems but is subject to certain restrictions with the current 5690 systems (e.g. only 1 measuring channel per input, no multi-point adjustment or connector linearization)

Types: Order no.

ALMEMO® 10-fold connector (64-pin) with EEPROM sensor memory for connecting 10 sensors; on request pre-programmed to your specifications for Data acquisition systems ALMEMO® 5690 and 500 (not for ALMEMO® 5590 / 5990)

ZA5690MU

ZA5590MU

Input connectors and adapter cables

ALMEMO® Connector Adapter Cable, Digital Input of Third Party Device to ALMEMO® Device Type ZA 1000A KSW / ZAD 919A Kxx



Existing equipment incorporating a digital interface can, thanks to our flexible ALMEMO® system, continue being used. For this purpose, we can offer you the following service: 1. We program a device type protocol for you, which matches the output interface of your device. 2. We fit the interface cable for your device with the matching ALMEMO® connector.

Description:

- Data acquisition from external devices with digital interface (RS232, Modbus RTU) and integration in the data acquisition with ALMEMO® devices.
- The digital connector of the adapter cable provides an electrically isolated serial interface and includes an interface processor for protocol conversion.
- Value-adding to existing measuring technology at a very interesting price-performance ratio.

Examples:

- Scales and weighing equipment
- Dial gauges and displacement transducers
- Multimeters
- Incremental displacement transducers
- Flue gas analysers

Types: Order no.

For the purposes of programming the interface, please provide us with a detailed description of the output interface of the third-party device you want to have integrated, or a matching cable, or a connector including the pin configuration, plus the third-party device itself for the purposes of testing and checking.

Interface programming for the device type protocol of the device to be integrated

ZA1000AKSW

ALMEMO® connector adapter cable

ZAD919AK