

Input connectors and adapter cables



ALMEMO® Input connectors

The intelligent ALMEMO® input connector turns every measuring setup into an exceptionally flexible measuring system. Instead of preconfigured ALMEMO® sensors you can take your own existing sensors. We supply ALMEMO® plugs specially pre-programmed for this purpose with the necessary sensor parameters and the appropriate measuring range. These plugs have six screw terminals and can be easily and conveniently connected.

All devices and plugs offer the following functions:

- Each measuring point can be assigned a specific designation
- Sensor signals can be scaled
- Measured values can be corrected for zero-point and gain

Several measuring instruments offer the following options with the ALMEMO® plug:

- Multi-point calibration data can be saved in the plug.
- User-defined linearization with up to 30 points can be programmed in the plug.

- Control points with actual / setpoint value can be entered easily via the AMR-Control software.
- Any special measuring ranges programmed in the plug can be processed.
- Calibration schedules can be managed in the plug and are detected automatically
- The plug's exact designation can be called up.

The overall performance quality and the already high level of precision provided by ALMEMO® measuring technology is thus raised even further.

New: Digital ALMEMO® D6- and D7-plugs

Numerous analog sensors and measurable variables can be digitized via the digital ALMEMO® D6 and D7 plugs. Thus, the ALMEMO® system is open for any desired extension of measured variables, measured values, and applications:

- Digital ALMEMO® D6 and D7 plugs enable new measuring ranges

and linearization independent of the ALMEMO® device.

- The overall accuracy of the digital ALMEMO® sensor is independent from the ALMEMO® display device / data logger and from the extension cables used. The complete measuring chain, consisting of sensor and

connected ALMEMO® D6 or D7 plug (with integrated A/D converter), is calibrated (DAkKS / factory) and can be replaced or exchanged as and whenever necessary.

- The pluggable digital extension cables (see chapter General accessories) provide high transmission reliability.

New: Digital ALMEMO® D7-measurement plugs: Special applications / features

Important! ALMEMO® D7 measurement plugs can only be connected to ALMEMO® measuring instruments of the V7 generation, i.a. ALMEMO® 500, ALMEMO® 710, ALMEMO® 809, ALMEMO® 202.

- Every ALMEMO® D7 plug features up to 10 display and function channels.
- Digital ALMEMO® D7 plugs enable high measuring speeds or a high level of precision. Thus these plugs can be used for a vast variety of measuring tasks

- The ALMEMO® D7 plug measures dynamic processes using the setting High Speed Measuring Options at high sampling rate. In case high resolution and stable values are needed (e.g. for accuracy transducers), the ALMEMO® D7 measurement plug measures with reduced sampling rate, if the setting High Resolution is selected.
- The digital ALMEMO® D7 measurement plug comes with an integrated A/D converter. The measuring rate is solely determined by

the A/D converter. All D7 measurement plugs run in parallel on the ALMEMO® V7 measuring instrument with their own measuring rate. This makes it possible to obtain high measuring speeds.

- The measured values can be provided with a unit featuring up to 6 characters. To designate a sensor it is possible to program comments with up to 20 characters.
- The user can easily perform the configuration via the ALMEMO® V7 measuring instrument.