



ALMEMO® 2690-8

Data logger with straightforward, menu-guided operation for virtually all applications

new!

- Modern, up-to-date design in plastic housing with rubberized impact protection
- Bright and easy-to-read graphics display with various modes for showing measured values
- Easy and convenient to operate - thanks to user guidance menus and help texts in display
- Five inputs for connecting a wide variety of sensors



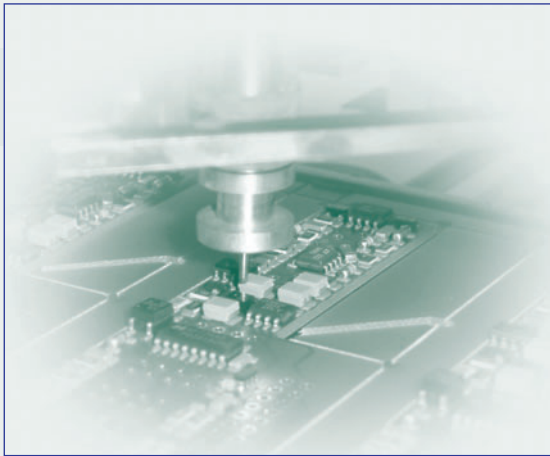
Plug & play - Just connect the sensor and start measuring !

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Universal housing for a wide variety of applications

The cushioned cover provides excellent protection against impact. With its rubberized non-slip cover the ALMEMO® 2690-8 lies comfortably and securely in the user's hand. The new ALMEMO® sensor connectors are fitted with a double sealing lip to protect against moisture and dust. Any sockets not being used can be closed by means of dummy plugs.



The ALMEMO® 2690-8 is packed full with state-of-the-art technology

Its delta-sigma A/D converter ensures that the measured values are extremely accurate. Its flash microprocessor performs all internal computing with extreme rapidity and precision. The firmware can be updated whenever necessary. The ALMEMO® 2690-8 is thus always at the very cutting edge of software developments. The firmware update can be performed quickly and easily by anyone.



Plug & play - Just connect the sensor and start measuring !

Virtually any sensor can be simply plugged into any of the input sockets on the ALMEMO® 2690-8 without the need for any extra modules; the sensor type will be recognized fully automatically and the measured values displayed with the appropriate physical units. For use with standard series-produced sensors there is no need for any extra programming; if you wish to use your own sensors we provide appropriately preprogrammed connectors ready fitted with screw terminals for quick and easy connection. The comprehensive ALMEMO® range includes sensors suitable for all sectors of industry and all possible applications.

For connecting a wide variety of sensors, for performing measuring tasks in many different sectors of industry, all with just one measuring instrument - the ALMEMO® 2690-8

plug & play - Just connect the sensor and start measuring !

Brightly illuminated graphics display

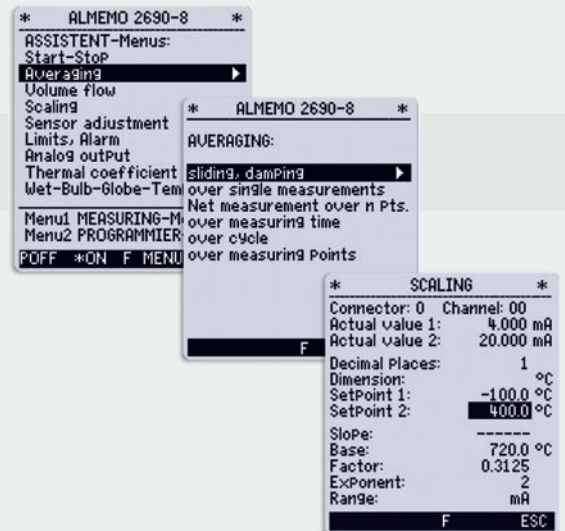
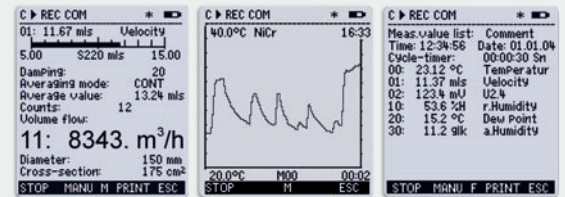
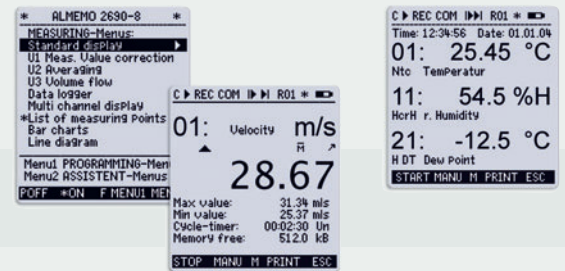
The graphics display on the ALMEMO® 2690-8, brightly illuminated with five white LEDs, shows all measurable variables in an ideal, easy-to-read way in real time during measuring; it also provides clear, easy-to-understand user guidance. Up to 20 measured values can be output numerically in different sizes or in the form of a bar chart or line diagram. The operating steps are assigned to three menu groups, namely the measuring menus, programming menus, and help menus.

Help wizards for quick and easy operation

Help menus guide the user through specific tasks with all the necessary functions. The wizard leads the user interactively through the appropriate menus. For particularly important functions context-specific explanatory help texts also appear. This user guidance system ensures that even relatively complicated configurations and programming steps can be performed more or less effortlessly. The user can return to the most recent measuring menu - at the touch of a button.

Outputting data

A wide variety of interfaces can be connected to the output sockets on the ALMEMO® 2690-8 via appropriate connecting cables. Cables are available for the following interfaces : RS-232, RS-422, optic fiber, USB, Ethernet, and Centronics. The ALMEMO® measured instruments have an integrated distributor for the purposes of linking up a number of devices via network cables. Using our measured value acquisition software, Win-Control, it is possible to have the measuring channels from all networked devices evaluated on the PC. The output sockets on the ALMEMO® 2690-8 are also suitable for connecting an analog output cable or a relay adapter and a trigger cable.





Technical data

Measuring inputs	5 ALMEMO® input sockets suitable for ALMEMO® flat connectors
Measuring channels	5 primary channels, electrically isolated, up to maximum 19 additional channels for double sensors / function channels
A/D converter	delta-sigma ± 16 bit, 50 measuring operations per second
Sensor power supply	Batteries / rechargeable batteries : 6V, 0.2A; 9V, 0.15A; 12V, 0.1A Network adapter : approx. 12 V, max. 200 mA
Outputs	2 ALMEMO® output sockets suitable for all output modules
Standard equipment	
Display	Graphics 128 x 128 pixels, 16 rows of 4 mm
Operation	8 keys (of which 4 soft keys)
Memory	512-KB EEPROM (approx. 100000 measured values)
Date and time-of-day	Real-time clock, buffered with lithium battery
Microprocessor	M16C62P
Power supply	external, 5 to 13 V DC
Batteries	3 alkaline-manganese batteries, AA, or 3 rechargeable NiMH batteries, AA, 1.6 Ah
Network adapter :	standard : ZA 2690-NA, 230 V AC to 12 V DC, 0.2 A
Adapter cable :	ZA 2690-UK 10-30 V DC to 12 V DC, 1 A (electrically isolated)
Current consumption	without input and output modules: active mode approx. 30 mA with lighting approx. 50 to 150 mA sleep mode approx. 0.05 mA
Housing	204 x 109 x 44 mm, ABS (acrylonitrile butadiene styrene), max. 70 °C, 550 g
Suitable conditions :	
Operating temp.	-10 to +50 °C (storage temperature : -20 to +60 °C)
Ambient rel. humidity	10 to 90 % rH (non-condensing)
Included as standard	ALMEMO® 2690-8 measuring instrument operating instructions ALMEMO® Handbook, AMR-Control software



ALMEMO® - the ideal solution for all your measuring tasks

For further information about Ahlborn measuring technology please visit our Internet site : www.ahlborn.com. Ask for your copy of our full catalog - free-of-charge !

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