

AZ90

Graphical Universal Panel Display

- Universal display for panel mounting 96 x 48
- Graphical 2,7" LCD display with 128 x 64 pixel
- Universal input for process signals, temperature sensors, thermocouples and potentiometer
- Serial interface RS485 - Modbus interface
- Up to 470 measuring cycles per second
- 7 different display colours
- Universal power supply
- Alarm- and analogue outputs
- menu texts in 5 languages



Description:

The graphical universal panel display was developed to fit the customer's need to most recent visualisation technologies. Beside the universal applicability to nearly all signal types used in control and measurement devices, focus was set to display information in the best possible manner.

Display and control units must show a high level of flexibility according to the huge variety of applications in machine and plant construction.

In addition to the best readability of the actual numeric values of the process, the visualisation of the process condition and their changes in time is a very important point. To accomplish this, the display can change its colour in seven levels – red, orange, green, blue, lightblue, violet, and white – according to programmed parameters. Furthermore the modi bargraph and trend can be selected. Menu languages are available in English, German, French, Italian, and Spanish.

Especially for sensors, which generate a non-linear signal output, the characteristic curve can be adjusted by up to 16 points of calibration. This can be done by the menu or by a PC based software.

Applications:

Wherever signals in control and measurement of processes have to be visualised in a reliable manner, these display units are the tool of choice.

By the universal input nearly all commercially available transmitters, potentiometers, and temperature sensors can be connected. The device provides a 24 VDC sensor supply and a totaliser function.

By the analogue output and the 2 relay switches either native or evaluated sensor signals can be analysed further e.g. given by PLCs or process control systems.

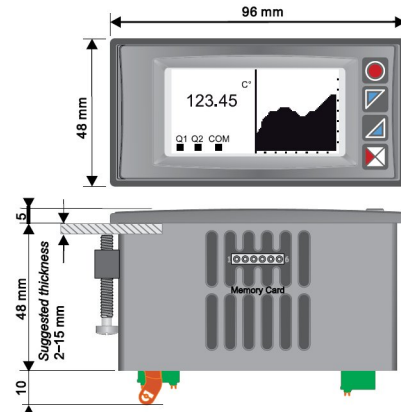
Version:

Display	Graphical 2,7" Display by 7 colours backlighting
Ambient temperature	0 °C up to 45 °C
Protection class	IP54 front (with seal) IP20 housing and terminal block
Material	polycarbonate
Weight	approx. 165 g
Power supply	universal power supply 24 up to 230 VAC/VDC power consumption approx. 6 VA galvanically isolated
Analogue input	configurable by software thermocouple type K, S, R, J, T, E, N, B. automatic cold junction compensation from 0 °C to 50 °C. resistor thermometer: Pt100, Pt500, Pt1000, Ni100, PTC1K, NTC10K (β 3435K). linear: 0 to 10 V ($R_i > 110 \text{ k}\Omega$) 0 to 60 mV ($R_i > 1 \text{ M}\Omega$) 0 to 20 mA, 4 to 20 mA ($R_i < 5 \text{ K}\Omega$), potentiometer: 0 to 6 K Ω , 0 to 150 K Ω .
Analogue output	analogue output 1: fixed 0...10 V analogausgang 2: adjustable 0...20 mA or 4...20 mA resolution 16 bit +/- 0,2% F.S.
Relay output	2 relay, 2 A, 250 VAC
Functions	display of actual and total value. trend display with time base from 1 up to 3600 seconds, max 59 values. datalogger with time base from 1 up to 3600 seconds, max. 2544 values. maximum and minimum memory
Menu language	adjustable English, German, French, Italian, Spanish
Digital input	2 digital inputs for external activation of functions like: Run, Hold, Tara, Reset_Alarm, Activate_Alarm, Reset_Totalisator, Reset_MaxMin, Add_Sum, Reset_Sum, Disable_Config,
Alarms	2 independent freely configurable alarms with limit and hysteresis function, or sensor break
Serial interface	all functions, parameter, and values can be set and read by MODBUS RTU protocol.

Ordering Code:

Order number:	AZ90.	0
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Options:	0 = without	

Dimensions



Electrical connection

