

DINALOG A 96 x 24

Programmable quasi-analogue bar graph meters

Single channel meters with a LED light bar and additional digital display.

For DC and AC current and voltage, temperature and resistance measuring ranges. Models with two limits are available.

The limits are displayed simultaneously with the measured value on the light bar.

If a limit is exceeded, this is signalled via relay contacts on the rear side and by an LED on the scale.

All measured values at a glance

- Precise values due to additional digital display
- High-contrast LED displays
- High legibility, wide viewing angle
- Measurement circuit galvanically isolated from the power supply
- Front dimensions: 96 x 24 mm
- Front protection to IP65
- Small installation depth of less than 127 mm
- Quick installation due to slider mount for all control panel thicknesses
- Pre-wiring is possible due to plug in screw terminal blocks

These measuring instruments are suitable for all applications in which several measured values must be monitored simultaneously.

Regulations and standards

Our bar graph displays comply with the regulations defined by the European Directives 73/23/EEC and 89/336/EEC, as verified by compliance with the following standards:

DIN/IEC 61 554 (housing)

IEC/EN 61 010-1:2001, VDE 0411 Part 1

(safety regulations)

IEC/EN 61 326-1/+A1 (interference resistance)

IEC/EN 61 326-1/+A1 (emitted interference)

EN 60 529 (protection class)

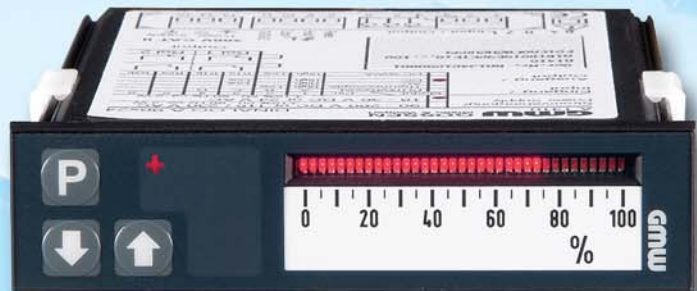
Due to high legibility, you have a good overview of important measured values at a glance, even in unfavourable light conditions.

Each meter can be configured to suit the respective measurement application, by means of various measurement modules.

With their high-contrast LED display, these meters are a good alternative to conventional analogue displays, or liquid crystal bar graph displays.

The LED light bar with 35 segments shows you the measured value with a resolution of 3%, on a scale which is 45 mm in length. By means of the additional polarity indicator, you can also use the full display range for bipolar measurement.

Simple programming with the three buttons enables you to adjust the display range on site.



Technical characteristics – DINALOG A 96 x 24

Display

Type	LED
Light colour	Red or green
Analogue	35 segments
Digital	3-character 7-segment display with polarity indicator
Digit height	Approximately 8 mm

Scale

Format	96 x 24 mm, vertical or horizontal (horizontal format without digital display)
Scale length	45 mm
Scale colour	White or black

Measuring ranges

DC voltage	0... 2 V to 0... 300 V and $\pm 2V$ to $\pm 300 V$
DC current	0... 4... 20 mA 0... 0.2 mA to 0... 200 mA and $\pm 0.2 mA$ to $\pm 200 mA$

AC voltage	0... 0.2 V to 0... 300 V and 700 V
AC current	0... 2 mA to 0... 200 mA and 0... 1 A; 0... 5 A
Temperature	Via Pt100 or thermocouples, types: J, K, R or S
Resistance	0... 200 Ω to 0... 20 k Ω
Supply voltages	230 V/115 V AC/ 90... 260 V DC or 24 V AC/18... 36 V DC

Outputs for limit monitors

2 relays	Each with change-over contact
2 additional relays	Each with NO contact
Switching capacity	5 A/250 V AC, 5 A/30 V DC
Switching time	Max. 200 ms