

# DINALOG A 144 x 24

## Programmable quasi-analogue bar graph meters

Bar graph displays serve to display measurement signals visually. It is generally possible to connect sensors directly, or via measuring transducers. Depending on the visual resolution of the values to be displayed, bar graph displays are subdivided into trend indicators, overview indicators, and measuring instruments.

### 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)

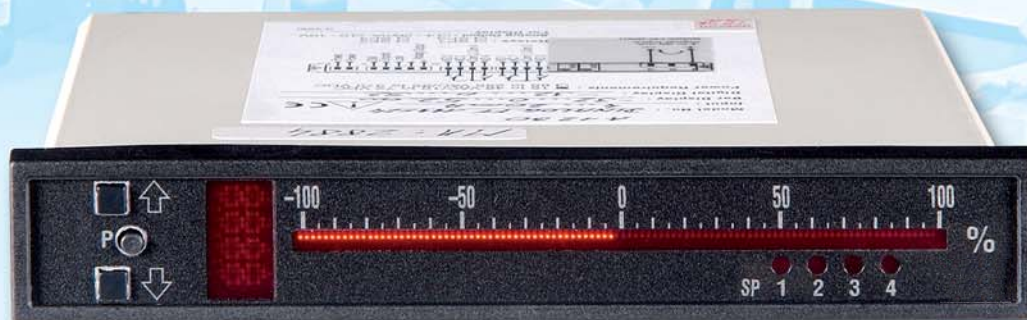


Display of measured values with a choice of red or green 101-segment light bar, plus a red or green 4-character digital display with a numerical range from -1999 to +9999 (12,000 counts).

Highly suitable for all applications in which several measured values must be read out simultaneously. (With meters mounted side by side).

### All measured values at a glance

- Precise read-out of values due to additional digital display
- Programmable measurement rate: 3...16 per second
- High legibility and wide viewing angle
- 4-level brightness levels for the light bar and digital display
- Up to four programmable limit values
- Limit status display via additional LEDs on the scale
- Two or four relays available
- 4...20 mA DC current measurement with 24 V DC supply for 2-wire measuring transducer
- Quick installation possible due to metal slider
- Electrical connection occurs via plug in screw terminals
- Front dimensions: 144 x 24 mm to DIN 43718
- Installation depth: 152 mm



## Technical characteristics – DINALOG A 144 x 24

<b>Display</b>		AC voltage	0...0.2 V to 0...200 V and 600 V
Type	LED	AC current	0...2 mA to 0...200 mA and 0...1 A; 0...5 A
Light colour	Red or green	Temperature	Via Pt 100 or thermocouples, type: J or K
Analogue	101 segments	Resistance	0...200 Ω to 0...10 kΩ
Digital	4-character LED display with polarity indicator	Supply voltages	85...265 V AC/ 95...370 V DC or 15...48 V AC/10...72 V DC
Digit height	Approximately 7 mm	<b>Outputs for limit monitors</b>	
<b>Scale</b>		2 relays	Each with change-over contact
Format	144 x 24 mm, vertical or horizontal (horizontal format without digital display)	2 additional relays	Each with NO contact
Scale length	91 mm	Switching capacity	5 A /250 V AC, 5 A /30 V DC
Scale colour	White or black	Switching time	Max. 200 ms
<b>Measuring ranges</b>			
DC voltage	0...0.1 V to 0...200 V and ± 0.1 V to ± 200 V		
DC current	0...4...20 mA 0...4...20 mA with 24 V DC supply for measuring transducer 0...2 mA to 0...5 A and ± 2 mA to ± 5 mA		