

Semi-Analog Panel Meters

DIALOG A 96 x 24

Single Display Indicator A1410

This measuring instrument is always laid out as a single display device with one light-strip indicator and an additional digital display.

Models with two limit values are available for direct current and direct voltage measuring ranges.

The limit values are displayed along with the measured value at the light-strip.

Limit value violation messages are read out via relay contacts at the rear panel, and are displayed at the scale with LEDs as well.

- All measured values at a single glance
- Precise values can be read from the additional digital display
- High-contrast LED display
- Good legibility, even from unfavorable visual angles
- Power supply is electrically isolated from the measuring circuit
- IP 65 protection at front panel
- Minimal installation depth of less than 127 mm
- Quick installation thanks to mounting tabs, suitable for all panel thicknesses
- Pre-wiring is made possible with detachable screw terminal blocks

These measuring instruments are suitable for all applications which require simultaneous monitoring of several measured values.

The highly legible display provides the user with a plain overview of important measured values at a single glance, even where adverse lighting conditions prevail.

Each instrument can be ideally configured for the desired measuring task through the use of various measuring modules.

The high contrast LED display makes these measuring instruments an attractive alternative to conventional analog or light-strip indicators with LCD.

The 36 segment LED light-strip indicator displays measured values at a 45 mm scale with 3% resolution.

The full display range can also be taken advantage of for bipolar measurements thanks to the additional polarity display.

Easy programming with three keys allows for on-site display range adjustments.



Quick Installation

Installation is easy, quick and reliable with the included mounting tabs.

Characteristic Values, DIALOG A 96 x 24

Variants

Single display indicator, Limit monitor with up to 4 limit values, Single display indicator with slave pointer function Double display indicator

Display

Type: red LED
 Analog: 36 segments
 Digital: 3 digits, 7 segment display with polarity indicator
 Character Height: approx. 8 mm

Scale

Format: portrait or landscape (no digital display with landscape format)
 Scale Color: swan white
 Scale Length: 45 mm

Measuring Ranges

Direct Voltage: 0 ... 2 V to 0 ... 300 V and ± 2 V to ± 300 V

Direct Current: 0 ... 4 ... 20 mA
 0 ... 0.2 mA to 0 ... 200 mA and ± 0.2 mA to ± 200 mA
 Alternating Voltage: 0 ... 0.2 V to 0 ... 300 V and 0 ... 700 V
 Alternating Current: 0 ... 2 mA to 0 ... 200 mA and 0 ... 1 A, 0 ... 5 A
 Temperature Thermocouple: via Pt100 or types J, K, R and S
 Resistance: from 200 W to 20 kW
 Power Supply: 230 V / 115 V AC or 90 ... 260 V DC or 24 V AC or 18 ... 36 V DC

Outputs, Included with Limit Monitors

2 Relays: each with changeover contact
 2 Additional Relays: each with normally open contact
 Switching Capacity: 5 A / 250 V AC, 5 A / 30 V DC
 Switching Time: max. 200 ms

