

Digital display DD 400

For PYROSPOT pyrometers

Overview

Digital display DD 400



Functions and features

The DD 400 digital display is used to easily display the temperature value via the current output (4 to 20 mA) of a connected 2-wire pyrometer, for example the PYROSPOT Series 40 and 42 DIAS pyrometers.

The device has the following functions:

- Four-digit display with 14 mm high digits
- No additional external power required
- Display range adjustable between –999 and 9999
- Adjustable position of the decimal point
- Display color green (part number 3310A13110)
- Error display when the measuring range is exceeded
- Filter for damping signal fluctuations with adjustable damping time
- Protection against unauthorized access
- Pyrometer cable directly connectable or integrate display directly in the pyrometer cable
- Screwless terminals
- Easy mounting options

Technical data

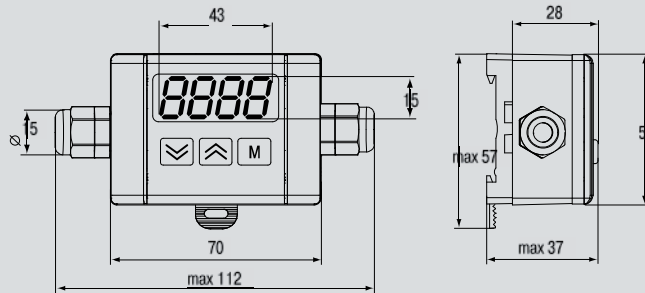
Type	DD 400
Power supply	from current loop signal
Drop	$\leq 10 \text{ V}^{1)}$
Input signal	4 to 20 mA
Measuring range	3.8 to 22.5 mA
Accuracy	0.2 % + 1 digit
Measuring rate	1 measurement/s (without damping), damping time adjustable (max. 10 s)
Ambient temperature	–40 °C to 80 °C
Class (IEC 61140)	III
Safety class	IP 65
Dimensions	70 × 50 × 28 [mm] (without holder and cable gland)
Weight	approx. 150 g
Mounting	DIN rail, wall or pipe mounting
Wire diameter	\varnothing 3 mm to 6 mm

¹⁾ The power supply must be sufficient not only for the DD 400, but also for the pyrometer and for any other consumers in the current loop. The voltage drop in the DD 400 of 10 V must be considered.

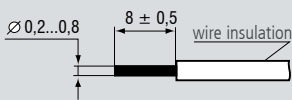
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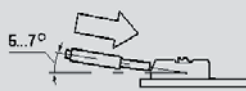
Dimensions



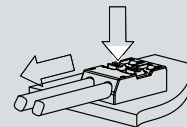
Wire connection



Preparation of the wire
Please use end sleeves for flexible wires



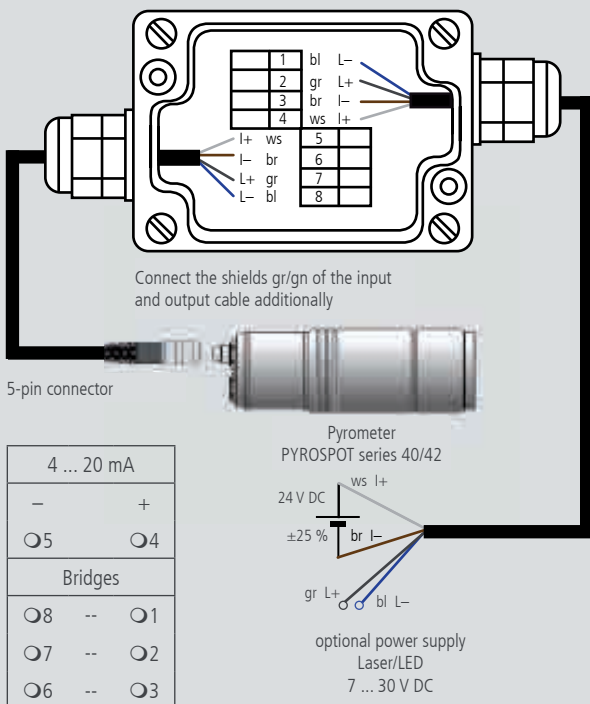
Connecting the wire to the terminal



Disconnecting the wire

Open housing: Slide the side panels, loosen the screws and remove the front panel.

Wiring diagram



Programming (flow diagram)

