

MESSKO® D1272AT® – DIGITAL INDICATOR

ORDERING SPECIFICATIONS.

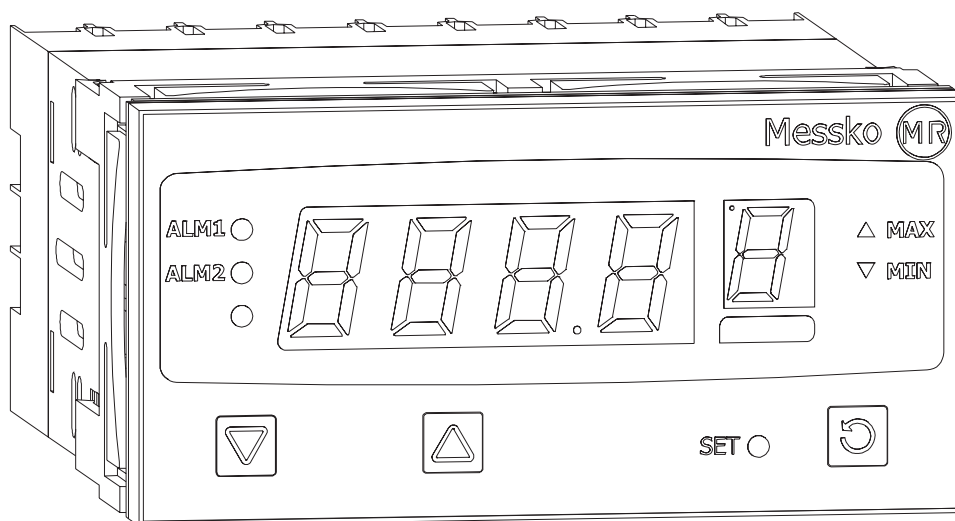


D1272AT®-Series
Digital Indicator

Project/Reference: _____

Input	
☐	Pt100
☐	4 to 20 mA

Relay Contacts	
☐	None
☐	2x NO



Analog Output	
☐	None
☐	4 to 20 mA
☐	0 to 20 mA
☐	0 to 5V
☐	0 to 10V

Measuring Range	
☐	-20 to +140 °C
☐	0 to +160 °C
☐	0 to +180 °C
☐	0 to 100 % (Oil Level Indication)

Please enclose this order form filled in the order.

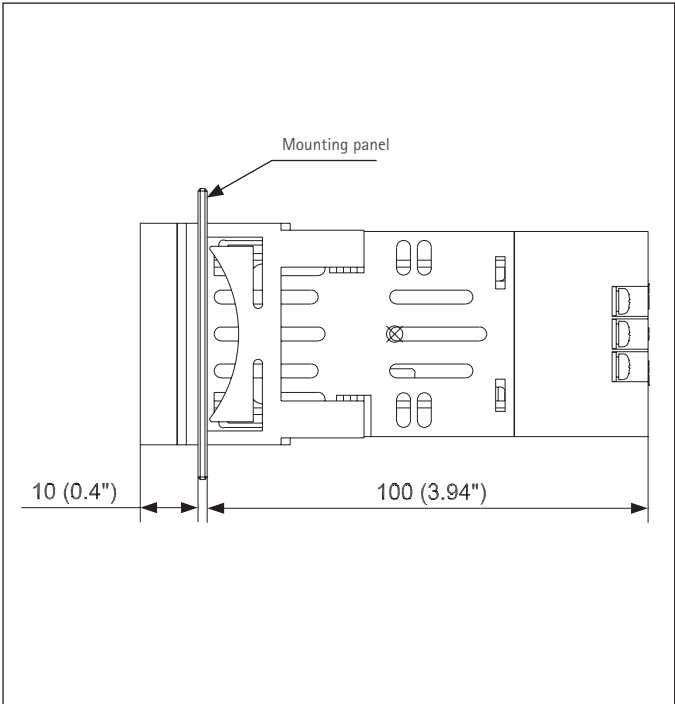
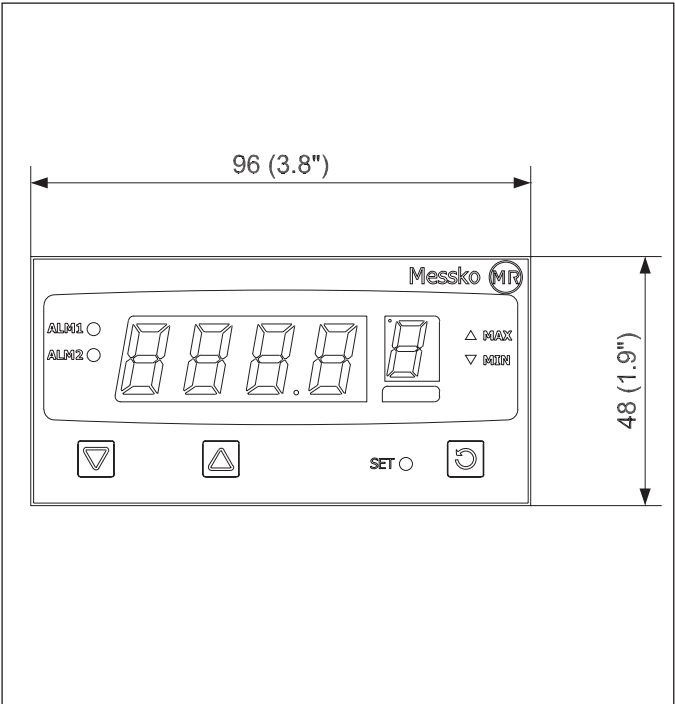
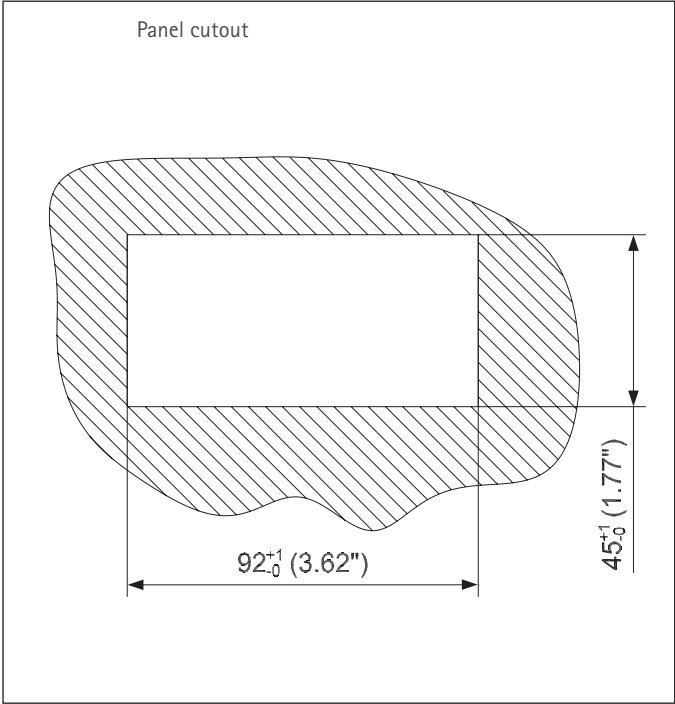
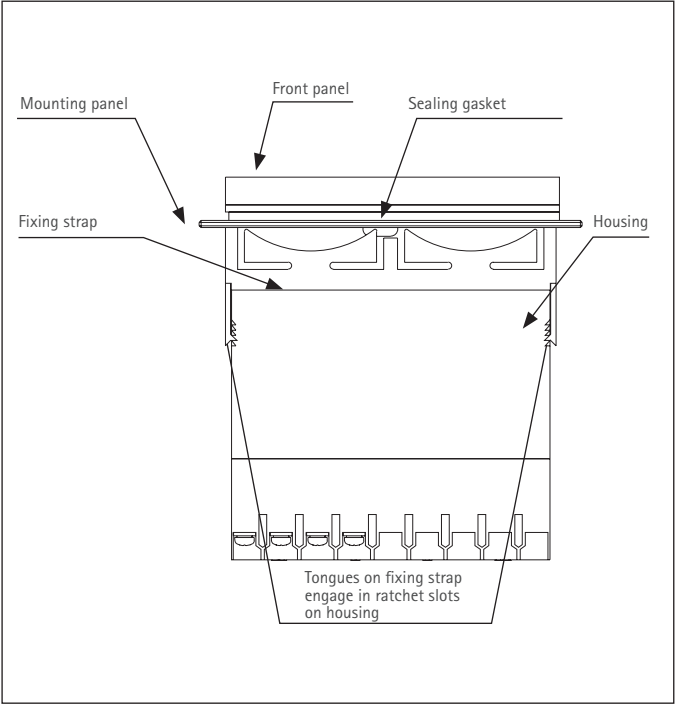
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TECHNICAL DATA.

MESSKO® D1272AT®	Technical Data
Input	
Type	RTD Pt100 3-wire-technology acc. to IEC751 or 4 to 20 mA (active or passive)
Insulation	Galvanic isolation of all inputs up to 250VAC
Sensor Break	Detected within two seconds, outputs are disconnected
Accuracy	$< \pm 0,25\%$ of the display range ± 1 digit (at 20 °C, 60-70% rh) ($< \pm 0.5$ °C at a measuring range of 160 °C)
Supply Voltage	100 - 240V AC $\pm 10\%$, 50/60 Hz, max. consumption 7.5VA
Output (optional)	
Analog Output	The analog output can be ordered and configured as required between the following ranges: 4 to 20 mA (load max. 250 Ω) 0 to 20 mA (load max. 250 Ω) 0 to 5V (load min. 2 k Ω) 0 to 10V (load min. 2 k Ω)
Sensor Supply Voltage	
Output Voltage	20 - 28V DC (24V DC nominal)
Output Load	Min. 910 Ω (22 mA at 20V DC)
Relay Contacts (optional)	
Contact Type	2 x NO switch with common throw, hysteresis 1K
Contact Load	Max. 2A ohmic load at 250VAC
Lifetime	> 500,000 cycles of operation at rated voltage/current
Insulation	Isolated from all other inputs and outputs
Ambient Conditions	
Ambient Temperatur	0 °C to +55 °C (Operation) -20 °C to +80 °C (Storage)
Humidity	20% - 95%, free of condensation
Tests	
Product compliance	CE, UL, ULC
EMC	EN/IEC 61326 (Susceptibility and emission) EMC-emitted interference: EN/IEC 50081-2 (Industrial sector) EMC-interference resistance: EN/IEC 50082-2 (Industrial sector)
Degree of protection	IP 66 at the front IP 20 at the back (after panel mounting)
Electrical safety	IEC/EN 61010-1, Protection class II
General data	
Dimensions	Front panel: width 96 mm, height 48 mm and depth 110 mm (1/8 DIN)
Weight	Max. 210 g

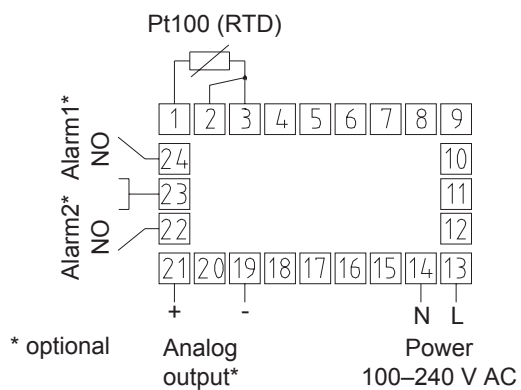
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PANEL MOUNTING.

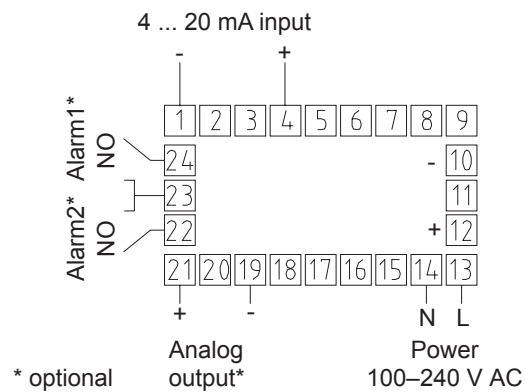


Electrical connections

Input: Pt100 sensor



Input: active 4 ... 20 mA sensor



Input: passive 4 ... 20 mA sensor

