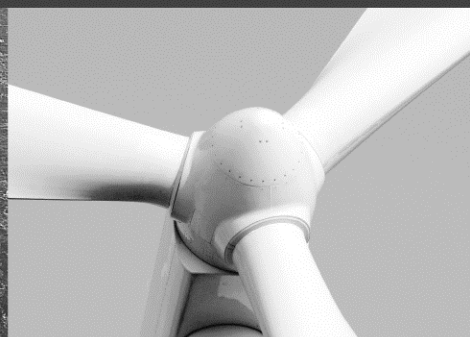




-power in control

DATA SHEET



Pt100 Ω temperature meters, Type PTQ

- Self-contained meter in DIN size: Q96
- 90° and 240° linear scales
- Built-in lead compensation (2-wire)
- Highly resistant to transients and vibrations



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Document no.: 4921210021H

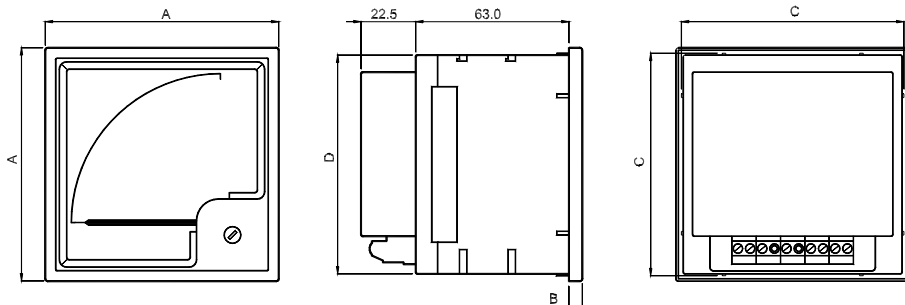
Technical specifications

Types	PTQ96-x (90°) PTQ96-c (240°)				
Accuracy	Class 1.5 (-10...15...30...55°C), to EN 60051 and IEC 51				
Standard ranges (°C)	0...40 0...150	0...50 0...200	0...60 0...250	0...80 0...300	0...100 0...400
Pt100 sensor 2- or 3-wire	20...120 250...500	50...150 300...600	50...250 0...500	100...200 0...600	200...400 0...800
Min. temperature difference	25°C				
Min./max. temperature	-200°C/+800°C				
Auxiliary supply	24-48-110-220V AC/DC (AC: 3 VA, DC: 15 mA) Use external surge protection if you use DC supply with supply cable longer than 10 m With galvanic separation between auxiliary supply and sensor: 110-220-380/440V AC (3 VA) (on request) Not to be connected to systems where phase-zero or phase-earth exceeds 300 V				
Auxiliary voltage influence	Max. 0.1% per 10% variation				
Temperature coefficient	Max. 0.2% per 10°C, typically 0.05% per 10°C				
Ambient temperature	-10...55°C (nominal), -25...60°C (operating), -40...65°C (storage)				
Shock test	15 g - 6 times - 3 directions, 50 g/6 ms, 22 g/20 ms				
EMC	To EN 50081-1/2 and EN 50082-1/2. CE-marked for residential, commercial and light industry plus industrial environment				
Climate	Class HUE, to DIN 40040				
Protection	Front: IP52 (IP54 on request). Terminals: IP20. To EN 60529 and IEC 529				
Max. lead resistance	3-wire: 3 x 5 Ω 2-wire: 10 Ω at ΔT = 51...600°C, 5 Ω at ΔT = 50°C, 2 Ω at ΔT = 25...49°C				

Connections

 TYPE		ORDER No.	
L.C.		LOT No.	
3 WIRE		AC SUPPLY	
2 WIRE		AC/DC SUPPLY	
LC CHECK 2 WIRE ONLY		X1-X2 V	
P I 0 B3 B2 B1		0 110V 220V 440V X1 X2 X3 X4	

Dimensions

					
Type	A	B	C	D	Weight
PTQ96-x/-c	96 x 96 mm	5.0 mm	92 x 92 mm	90 x 90 mm	Approx. 0.400 kg

Available variants

Item no.	Variant no.	Variant description
2961560920	01	PTQ96-x all voltages
2961560920	02	PTQ 96-c all voltages

Order specifications

Variants:

Mandatory information						Additional options to the standard variant
Item no.	Type	Variant no.	Scale	2- or 3-wire	Aux. voltage	Option

Example:

Mandatory information						Additional options to the standard variant
Item no.	Type	Variant no.	Scale	2- or 3-wire	Aux. voltage	Option
2961560920-01	PTQ96-c	02	0...150°C	3-wire	24V AC/DC	IP54



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Due to our continuous development we reserve the right to supply equipment which may vary from the described.

