

Type: PTQ Pt100Ohm Temperature meters

Technical specifications

Accuracy	Standard ranges C°	0...40	0...50	0...60	0...80	0...100
		0...150	0...200	0...250	0...300	0...400
Pt100 sensor 2 or 3 wire		20...120	50...150	50...250	100...200	200...400
		250...500	300...600	0...500	0...600	0...800
		Class 1.5 (-10...15...30...55°C)				to EN 60051 and IEC
Min. temperature difference:		25°C				
Min./max. Temperature:		-200°C/+800°C				
Auxiliary supply:		24-48-110-220V AC/DC (AC:3VA, DC: 15mA) With galvanic separation between auxiliary supply and sensor: 110-220-380/440V AC (3VA) (on request)				
Auxiliary voltage influence:		Max. 0.1% per 10% variation				

Type test specifications

Type test specifications		Tested according to:
Vibration:	2...13.2Hz: 3mm 13.2...100Hz: 1g	GL + LR: Test 1 DNV: Class A
Shock:	6 attempts with 15g (in 3 directions) 50g/6ms 22g/20ms	IEC 68-2-27 Test Ea
Climate:	Class HUE	DIN 40040
Protection:	Front: IP53 Terminals: IP20	EN 60529, IEC 529
Ambient temperature:	-10...+ 55°C (nominal) -25...+ 60°C (operating) -40...+ 765°C (storage)	GL, DNV and LR EN 60051 and IEC 51
Temperature coefficient:	Max. 0.2% per 10°C, typically 0.05% per 10°C	
EMC:		EN 50082-1/2 EN 50081-1/2

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