

ACCURACY

Resistance thermometers (RTD) as per standard

STANDARD	DESIGNATION	MEASURING RANGE	TYPICAL MEASURED ERROR ($\pm$)
			Value at current output
IEC 60751	Pt100	(0 to 200) °C [32 to 392] °F	(0.10) °C [0.18] °F
	Pt1000		(0.08) °C [0.14] °F
JIS C1604:1984	Pt100		(0.10) °C [0.18] °F
Resistance Ω	10 to 400 Ω	(10 to 200) Ω	(0.06) Ω
	10 to 2000 Ω	(10 to 1000) Ω	(0.32) Ω

Thermocouples (TC) as per standard

STANDARD	DESIGNATION	MEASURING RANGE	TYPICAL MEASURED ERROR ($\pm$)
			Value at current output
IEC 60584-1, ASTM E230	Type B	(0 to 800) °C [32 to 1472] °F	(1.61) °C [2.9] °F
	Type E		(0.34) °C [0.61] °F
	Type J		(0.39) °C [0.70] °F
	Type K		(0.51) °C [0.92] °F
	Type N		(0.62) °C [1.12] °F
	Type R		(1.43) °C [2.57] °F
	Type S		(1.45) °C [2.61] °F
	Type T	(0 to 300) °C [32 to 572] °F	(0.33) °C [0.59] °F
Voltage (mV)	-20 to 100 mV	(0 to 50) mV	25 μ V

INSTALLATION CONDITIONS

Environment

Ambient temperature	(-40 to 85) °C [-40 to 185] °F (For hazardous areas see EX documentation)
Storage temperature	(-50 to 100) °C [-58 to 212] °F
Climatic class	To EN 60654-1, Class C1
Moisture condensation	Allowable
Shock and Vibration protection	Per DNVGL-CG-0339 and DIN EN 60068-2-27 - (2 to 100) Hz at 4g
EMC immunity (CE conformity)	Interference immunity and interference emission as per EN 61 326-1 (IEC 1326)
Altitude	up to 4000M (4374.5 yards) above sea level
Over voltage	Over voltage category II
Pollution degree	Pollution degree 2