



RTD TOLERANCES

Pt 100, Pt 500, Pt 1000, Ni 100, Ni 1000

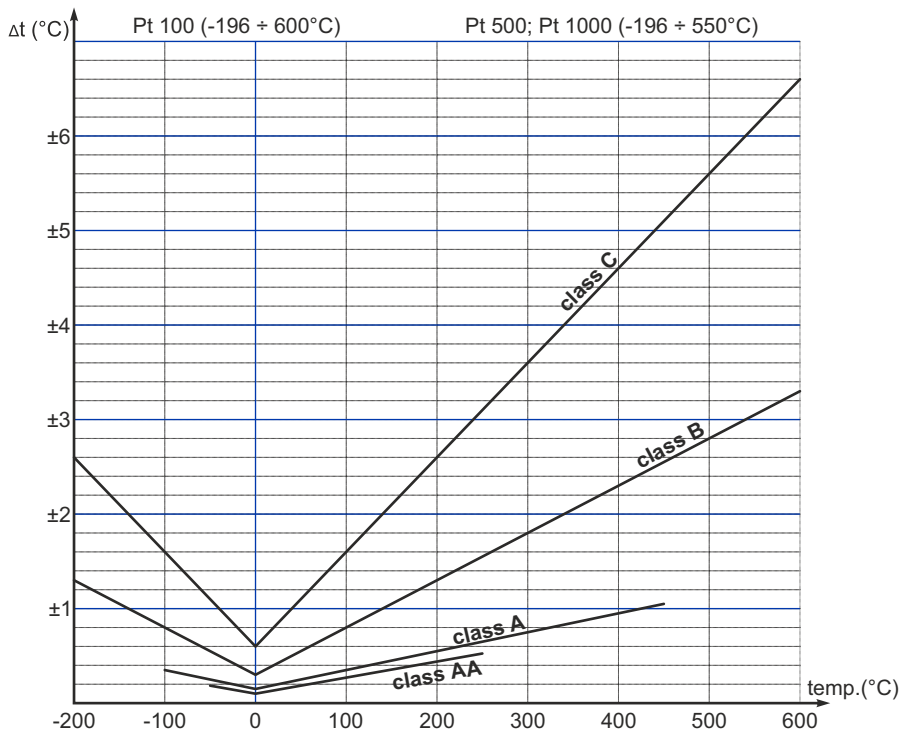


TABLE 1 as per PN-EN 60751:2009 (Pt 100, Pt 500, Pt 1000)

tolerance class	temperature range		tolerance (°C)
	wire-wound construction (°C)	thin-film construction (°C)	
AA	-50 do + 250	0 do + 150	± (0,1 + 0,0017 t)
A	-100 do + 450	-30 do + 300	± (0,15 + 0,002 t)
B	-196 do + 600	-50 do + 500	± (0,3 + 0,005 t)
C	-196 do + 600	-50 do + 600	± (0,6 + 0,01 t)

|t| = absolute temperature value

TABLE 2 as per PN-83/M-53852 (Ni 100, Ni 1000)

tolerance class	tolerance (°C)
C	-60 ÷ 0°C ± (0,3 + 0,0165 t)
	0 ÷ 180°C ± (0,3 + 0,008 t)

|t| = absolute temperature value

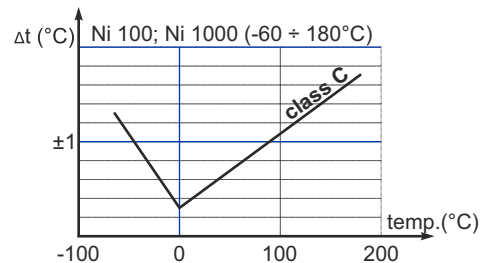


TABLE 3

resistor type	max. resistor current			
	thin-film construction		wire-wound construction	
	recommended current	max. current	recommended current	max. current
Pt100	1,0 mA	7 mA	5 mA	10 mA
Pt500	0,5 mA	3 mA	-	-
Pt1000	0,1 mA	1 mA	-	-
Ni100	1,0 mA	7 mA	-	-
Ni1000	0,1 mA	1 mA	-	-