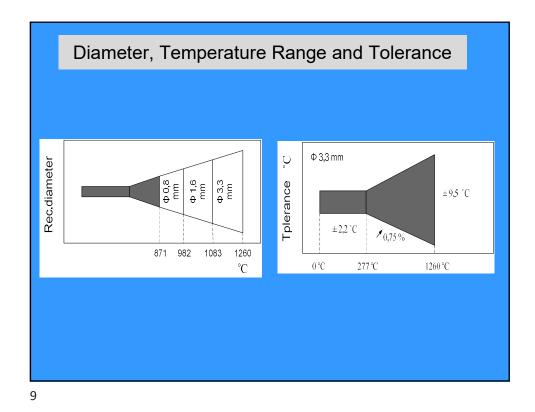
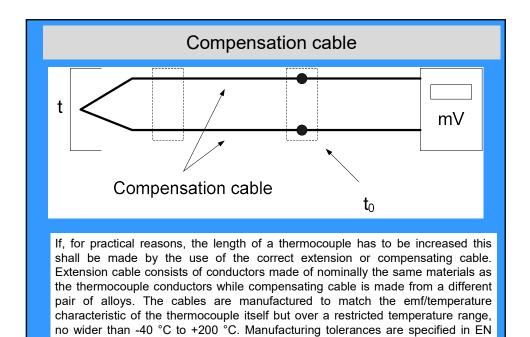


	Thermocouple Classes and Tolerances							
Standard	dized tolerances and app	roximate accurac	cies acievable wi	th calibration				
Туре	8-	blerance standard polynomia	1)	Calibration				
Т	-250 / +400 °C	$\pm$ 1 K $\pm$ 1 %	0 / 100 °C 100 / 400 °C	0,1 K 0,2 K				
J	-200 / +800 °C	$\pm$ 3 K $\pm$ 1 %	0 / 300 °C 300 / 850 °C	0,5 K 1 K				
Κ	-200 / +1100 °C	$^{\pm3~K}_{\pm0,75~\%}$	0 / 400 °C 100 / 400 °C	0,5 K 1 K				
S	0 / +1400 °C	$\pm$ 1 K $\pm$ 2 K	0 / 1100 °C 1100 / 1400 °C	0,5 K 1-2 K				



IEC Tolerance Class EN 60584-2; JIS C 1602							
IEC Code		Class 1	Class 2	Class 3 <sup>+</sup>			
J	Temp Range Tolerance Value Temp. Range Tolerance Value	-40 to 375°C ±1.5°C 375 to 750°C ±0.4% Reading	-40 to 333°C ±2.5°C 333 to 750°C ±0.75% Reading	Not Established			
KN	Temp Range Tolerance Value Temp. Range Tolerance Value	-40 to 375℃ ±1.5℃ 375 to 1000℃ ±0.4%	-40 to 333°C ±2.5°C 333 to 1200°C ±0.75% Reading	-167 to 40°C ±2.5°C -200 to -167°C ±1.5% Reading			
Т	Temp Range Tolerance Value Temp. Range Tolerance Value	-40 to 125°C ±0.5°C 125 to 350°C ±0.4% Reading	-40 to 133°C ±1°C 133 to 350°C ±0.75% Reading	-67 to 40°C ±1°C -200 to -67°C ±1.5% Reading			
E	Temp Range Tolerance Value Temp. Range Tolerance Value	-40 to 375°C ±1.5°C 375 to 800°C ±0.4% Reading	-40 to 333°C ±2.5°C 333 to 900°C ±0.75% Reading	-167 to 40°C ±2.5°C -200 to -167°C ±1.5% Reading			
RS	Temp Range Tolerance Value Temp. Range Tolerance Value	0 to 1100°C ±1°C 1100 to 1600°C ±[1 + 0.3% x (Rdg-1100)]°C	0 to 600°C ±1.5°C 600 to 1600°C ±0.25% Reading	Not Established			
B	Temp Range Tolerance Value Temp. Range Tolerance Value	Not Established	600 to 1700°C ±0.25% Reading	600 to 800°C +4°C 800 to 1700°C ±0.5% Reading			

The	rmocouple	e Reference Fun	ction and Coefficier	nts			
	<b>Type J Thermocouples</b> - coefficients, $c_i$ , of reference equations giving the thermoelectric voltage, $E$ , as a function of temperature $t_{g0}$ , for the indicated temperature ranges. The equations are of the form: $E = \sum_{i=0}^{n} c_i (t_{g0})^i$ where $E$ is in microvolts and $t_{g0}$ is in degrees Celsius.						
	Temperature Range:	-210 to 760°C	760 to 1,200°C				
	$\begin{array}{cccc} C_{0} & = & \\ C_{1} & = & \\ C_{2} & = & \\ C_{3} & = & \\ C_{4} & = & \\ C_{6} & = & \\ C_{7} & = & \\ C_{8} & = & \\ \end{array}$	0.000 000 000 0 5.038 118 781 5 x101 3.047 583 693 0 x 10 <sup>-2</sup> -8.568 106 572 0 x 10 <sup>-5</sup> 1.322 819 529 5 x 10 <sup>-7</sup> -1.705 295 833 7 x 10 <sup>-10</sup> 2.094 809 069 7 x 10 <sup>-13</sup> -1.253 839 533 6 x 10 <sup>-16</sup> 1.563 172 569 7 x 10 <sup>-20</sup>	2.964 562 568 1 x 10 <sup>5</sup> -1.497 612 778 6 x 10 <sup>3</sup> 3.178 710 392 4 -3.184 768 670 1 x 10 <sup>-3</sup> 1.572 081 900 4 x 10 <sup>-6</sup> -3.069 136 905 6 x 10 <sup>-10</sup>				



IEC 60584-3.

