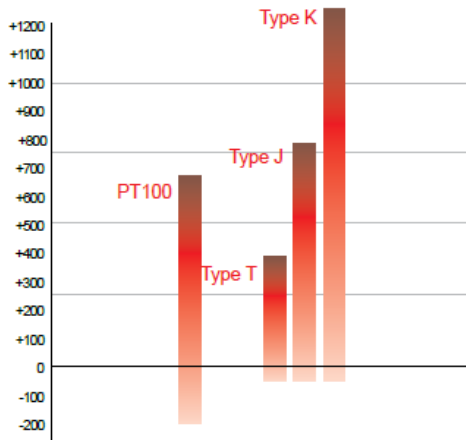




Transducer Technology manufactures a wide range of temperature sensors. Materials and construction are carefully designed to match the requirements of the various industries.

We offer mineral insulated Thermocouples and PT100 resistive type temperature sensors.

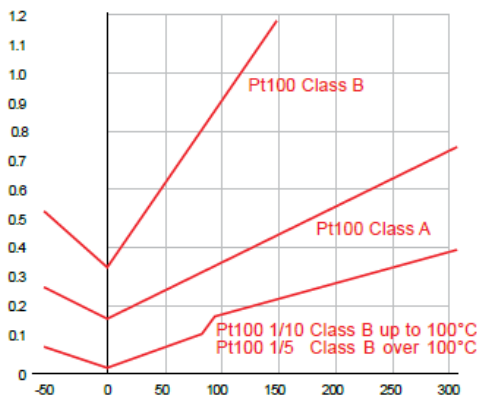
Temperature Range of Sensors



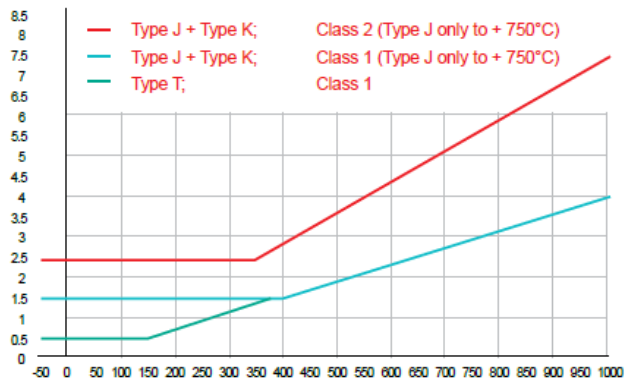
Operating temperature limit of cables:

PVC insulated cable:	-40°C +100°C
Teflon insulated cable:	-250°C +250°C
Glass fibre insulated cable:	-40°C +350°C
Mineral insulation sheath:	up to 1100°C (can be higher using special alloys)

Accuracy of Pt100 sensors



Accuracy of thermocouples



Order code

Construction
Sensor specification
Special requirements

TT □ □ □ □ □ □ □ □
L= mm D= mm T= mm
Stem length Stem diameter Cable length

Body	
Wire, fused one end	O
Air tube	A
Two-sectional stem	B
Two-sectional ceramic	C
Bare stem	T
Stem with reduced tip	R
Two-sectional, L-shaped	D
L-shaped	L
Plate (surface probe)	F
Stud (rigid)	S
Ceramic insert	I
Swivel-stud	W
Angle head	E
Pocket with insert	Z
Other (specify)	X

Termination	
Plain	P
Crimped cable	C
Cable Stress relief spring	R
Nylon head (HN)	N
Small Alu-head (KS)	S
Large Alu-head (KN)	L
Large Alu-head clip cap (DANA)	Q
Rubber sleeve & Cable	O
Potseal	A
Other (specify)	X

Mounting	
Plain, no fitting	1
Spring & bayonet fitting	2
1/4" BSPT	6
1/2" BSPT	8
Flat Bracket	9
1/4" BSW	A
M6 x 1	B
M8 x 1.25	C
M10 x 1	D
M12 x 1.75	E
Pipe clamp (specify diameter)	P
Other (specify)	X

Sensor		
T	Cu-CuNi	-40°C to +300°C
K	NiCr-NiAl	-40°C to +1100°C
J	Fe-CuNi	-40°C to +700°C
R	Pt-13% Rh	0°C to +1550°C
S	Pt-10% Rh	0°C to +1550°C
P	Pt 100	-100°C to +400°C
A	Pt1000	-100°C to +400°C
X	Other	

Option	
Plain	O
PVC cable (100°C)	P
Teflon cable (250°C)	T
Fibreglass cable (350°C)	G
S/st braided cable / Fibreglass (350°C)	S
Silicone rubber cable	Q
Teflon cable with sprague tubing	U

Option	
G	Grounded T/C
U	Ungrounded T/C
E	Exposed T/C
B	Grade "B" RTD
A	Grade "A" RTD
C	1/5 DIN
D	1/10 DIN
X	Other (specify)

Thermocouples are normally non-insulated ("grounded") unless specified otherwise

Temperature	
0	-100°C to 50°C
1	-20°C to 150°C
2	0°C to 260°C
4	0°C to 400°C
8	0°C to 800°C
A	0°C to 1100°C
B	0°C to 1300°C
C	0°C to 1500°C

Configuration	
S	Simplex T/C (3 wire RTD)
D	Duplex T/C (2x3 wire RTD)
T	Triplex T/C (3x2 wire RTD)
A	4 wire simplex RTD
B	2 x 2 wire RTD / Duplex
X	Other (specify)

Option	
Nylon conn. block	N
Ceramic conn. block (large)	L
Ceramic conn. block (small)	C
Spring loaded conn. block	Y
4-20mA transducer	A
Miniature plug (UM 10)	1
Standard plug (UM 30)	3
Other (specify)	X

TRANSDUCER TECHNOLOGY PTY LTD

T | 011 425 2094 E | sales@transducers.co.za W | www.transducers.co.za