Style RTD1 — Straight Probes

Tube and Wire Construction (see Box 9)

Mineral Insulated Construction (see Box 9)

Design Features

- Platinum Resistance Element

Optional Installation Compression Fitting See Box 12

Ordering Information

RTDs are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

Two Construction Styles to Suit Any Application

(See Ordering Code Box 9)

- Standard Industry Tube and Wire construction with fiberglass 900°F (482°C) or Teflon® 392°F (200°C) lead wires
- Mineral Insulated construction rated up to 1200°F (650°C). This construction type allows forming and bending the sheath to meet design requirements.

Ordering Code:

RTD1	1	2	3	4	5	6	7	8	9	10	11	12	13

Element *BOX 1*

S = 100Ω Single
D = 100Ω Dual
K = 1000Ω Single
L = 1000Ω Dual
X = Other (Specify)

Element Class *BOX 2*

A = Class A, Standard
B = Class B, Optional

Number of Leads *BOX 3*

2 = 2-wire circuit
3 = 3-wire circuit
4 = 4-wire circuit
6 = 6-wire-circuit

Sheath O.D. *BOX 4*

F = 6mm
G = 8mm
H = 12mm
X = Other (Specify)

Sheath Material *BOX 5*

B = 304 SS
C = 316 SS
A = Alloy 600
(Type "M" only; See Box 9)

Sheath Length "L" *BOX 6 and 7*

In mm
001 to **999**
For lengths over 99 in. consult HK.

Lead Wire Length *BOX 8*

In meters **001** to **099**
1 meter (001) Standard

RTD Construction Type *BOX 9*

T = Tube and Wire Construction
M = MgO Insulated Construction with strain relief spring (Type "M" not available for "K" or "L" from Element Box 1)

Lead Wire Construction *BOX 10*

		w/ SS Overbraid*	w/SS Flex Armor*
Fiberglass 900°F (482°C)	**S**	**B**	**A**
Teflon® 392°F (200°C)	**T**	**D**	**F**

* Flex Armor options, over braid options and .125" O.D. and dual constructions may require transition

Lead Wire Termination *BOX 11*

P = Standard Male Plug 350°F (177°C)
J = Standard Female Jack
K = Std. Plug with Mating Jack
D = Mini Male Plug 350°F (177°C)
E = Mini Female Jack
X = Other (Specify)
F = Mini Plug & Mating Jack
B = Std.—2-1/2 in. Split Leads
S = Leads with Spade Lugs
C = 2-1/2 in. Split Leads with BX Connector and Spade Lugs

Plugs and Jacks for 2- and 3-Wire Only

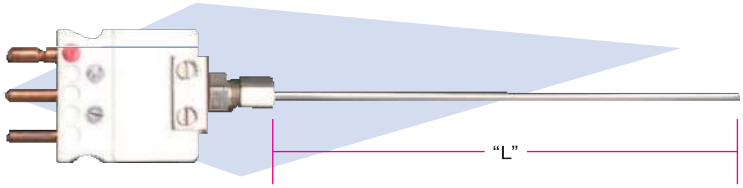
Optional Compression Fitting *BOX 12*

1 = 1/8" NPT SS
2 = 1/4" NPT SS
3 = 1/2" NPT SS
0 = None Required
4 = 1/8" NPT Brass
5 = 1/4" NPT Brass
6 = 1/2" NPT Brass

Special Requirements *BOX 13*

X = Specify
0 = None

Style RTD2 — Plug or Jack Termination



Design Features

- Platinum Resistance Element
- Available with standard or mini, 2- or 3-prong plug or jack

Optional Installation Compression Fitting See Box 10

Two Construction Styles to Suit Any Application

(See Ordering Code Box 9)

- Standard Industry Tube and Wire construction with fiberglass 900°F (482°C) or Teflon® 392°F (200°C) lead wires
- Mineral Insulated construction rated up to 1200°F (650°C). This construction type allows forming and bending the sheath to meet design requirements.

Ordering Information

RTDs are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

Ordering Code:

RTD2 – [1] [2] [3] [4] [5] [6]–[6] [7] [8] [9] [10] [11]

Element *BOX 1*

S = 100Ω Single
D = 100Ω Dual
K = 1000Ω Single
L = 1000Ω Dual
TCR = .00385 ohm/ohm/°C

Sheath Length "L" *BOX 6*

Whole inches
01 to 99
For lengths over 99 in. consult HK.

Sheath Length "L" *BOX 7*

Fractional inches
0 = 0"
1 = 1/8"
2 = 1/4"
3 = 3/8"
4 = 1/2"
5 = 5/8"
6 = 3/4"
7 = 7/8"

Element Class *BOX 2*

A = ±0.06% at 0°C, Optional
B = ±0.12% at 0°C, Standard

Termination *BOX 8*

P = Standard Male Plug 350°F (177°C)
J = Standard Female Jack
K = Std. Plug with Mating Jack
D = Mini Male Plug 350°F (177°C)
E = Mini Female Jack
F = Mini Plug with Mating Jack

Number of Leads *BOX 3*

2 = 2-wire circuit
3 = 3-wire circuit (Dual circuit not available)

RTD Construction Type *BOX 9*

Standard Industry Construction
S = Fiberglass insulated 900°F (450°C)
T = Teflon® Insulated 392°F (200°C)

Mineral Insulated Construction
M = MgO Insulated 1200°F (650°C)
(Type "M" not available for "K" or "L" from Element Box 1)

Sheath O.D. *BOX 4*

F = 0.125" (Single Element Only)
G = 0.188"
H = 0.250"

Optional Compression Fitting *BOX 10*

1 = 1/8" NPT SS
2 = 1/4" NPT SS
3 = 1/2" NPT SS
4 = 1/8" NPT Brass
5 = 1/4" NPT Brass
6 = 1/2" NPT Brass
0 = None Required

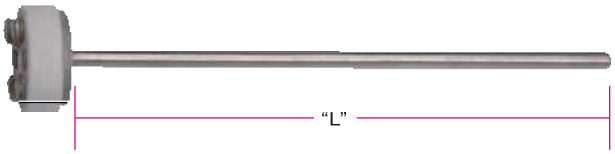
Sheath Material *BOX 5*

B = 304 SS
C = 316 SS
A = Alloy 600
(Style M only; See Box 9)

Special Requirements *BOX 11*

X = Specify
0 = None

Style RTD3 — Open Disc Termination



Optional Installation Compression Fitting See Box 9

Design Features

- Platinum Resistance Element
- Ceramic disc 1-1/8" O.D. for 2-, 3- and 4-wire designs, 2-1/32" O.D. for dual 6-wire design (.188" and .250" O.D. sheath); consult factory for 1/8" sheath O.D.

Two Construction Styles to Suit Any Application

(See Ordering Code Box 8)

- Standard Industry Tube and Wire construction with fiberglass 900°F (482°C) or Teflon® 392°F (200°C) lead wires
- Mineral Insulated construction rated up to 1200°F (650°C). This construction type allows forming and bending the sheath to meet design requirements.

Ordering Information

RTDs are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

Ordering Code: **RTD3** – [1] [2] [3] [4] [5] [6]–[7] [8] [9] [10]

Element *BOX 1*
S = 100Ω Single
D = 100Ω Dual
K = 1000Ω Single
L = 1000Ω Dual
TCR = .00385 ohm/ohm/°C

Element Class *BOX 2*
A = ±0.06% at 0°C, Optional
B = ±0.12% at 0°C, Standard

Number of Leads *BOX 3*
2 = 2-wire circuit
3 = 3-wire circuit
4 = 4-wire circuit
0.125" O.D. (Dual circuit not available)

Sheath O.D. *BOX 4*
F = 0.125"
G = 0.188"
H = 0.250"

Sheath Material *BOX 5*
B = 304 SS
C = 316 SS
A = Alloy 600
(Type "M" Only; See Box 8)

Sheath Length "L" *BOX 6*
Whole inches
01 to **99**
For lengths over 99 in. consult HK.

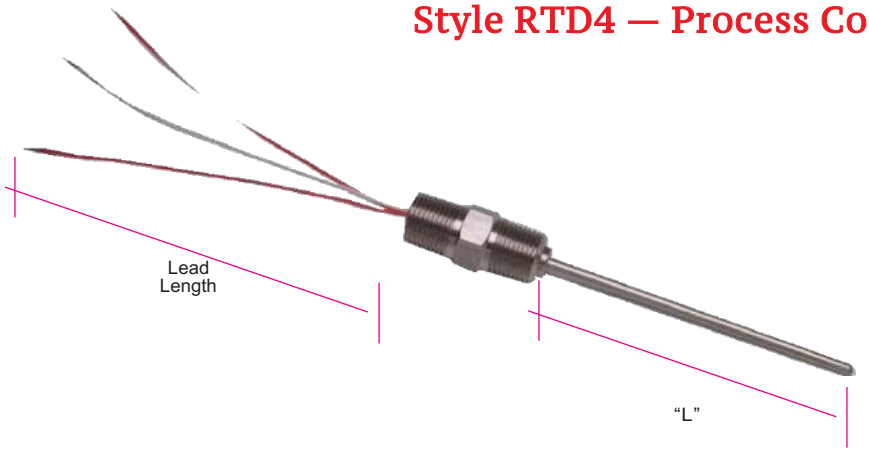
Sheath Length "L" *BOX 7*
Fractional inches
0 = 0"
1 = 1/8"
2 = 1/4"
3 = 3/8"
4 = 1/2"
5 = 5/8"
6 = 3/4"
7 = 7/8"

RTD Construction Type *BOX 8*
Standard Industry Construction
S = Fiberglass insulated 900°F (450°C)
T = Teflon® Insulated 392°F (200°C)
Mineral Insulated Construction
M = MgO Insulated 1200°F (650°C)
(Type "M" not available for "K" or "L" from Element Box 1)

Optional Compression Fitting *BOX 9*
1 = 1/8" NPT SS
2 = 1/4" NPT SS
3 = 1/2" NPT SS
4 = 1/8" NPT Brass
5 = 1/4" NPT Brass
6 = 1/2" NPT Brass
0 = None Required

Special Requirements *BOX 10*
X = Specify
0 = None

Style RTD4 — Process Connection



Design Features

- Platinum Resistance Element
- Designed for mounting to connection head and thermowells
- Optional Spring loading on 1/2" NPT only
- Stainless Steel fittings with 1/4" or 1/2" NPT thread

Ordering Information

RTDs are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

Two Construction Styles to Suit any Application

(See Ordering Code Box 11)

- Standard Industry Tube and Wire construction with fiberglass 900°F (482°C) or Teflon® 392°F (200°C) lead wires.
- Mineral Insulated construction rated up to 1200°F (650°C). This construction type allows forming and bending the sheath to meet design requirements.

Ordering Code:

RTD4 – [1] [2] [3] [4] [5] [6][6] [7] [8][8][8] [9] [10] [11] [12] [13]

Element *BOX 1*

S = 100Ω Single
D = 100Ω Dual
K = 1000Ω Single
L = 1000Ω Dual

TCR = .00385 ohm/ohm/°C

Element Class *BOX 2*

A = ±0.06% at 0°C, Optional
B = ±0.12% at 0°C, Standard

Number of Leads *BOX 3*

2 = 2-wire circuit
3 = 3-wire circuit
4 = 4-wire circuit

0.125" O.D. (Dual circuit not available)

Sheath O.D. *BOX 4*

F = 0.125"
G = 0.188"
H = 0.250"
X = Other (Specify)

Sheath Material *BOX 5*

B = 304 SS
C = 316 SS
A = Alloy 600
(Type M Only; See Box 11)

Sheath Length "L" *BOX 6*

Whole inches
01 to **99**
For lengths over 99 in. consult HK.

Sheath Length "L" *BOX 7*

Fractional inches
0 = 0"
1 = 1/8"
2 = 1/4"
3 = 3/8"
4 = 1/2"
5 = 5/8"
6 = 3/4"
7 = 7/8"

Lead Wire Length *BOX 8*

In inches **001** to **999**
12" (012) Standard

Thread *BOX 9*

4 = 1/4" NPT
2 = 1/2" NPT

Spring-Loaded Probe *BOX 10*

O = Not Required
Y = Yes, 1/2" NPT only

RTD Construction Type *BOX 11*

T = Tube and Wire Construction
M = MgO Insulated Construction
(Type "M" not available for "K" or "L" from Element Box 1)

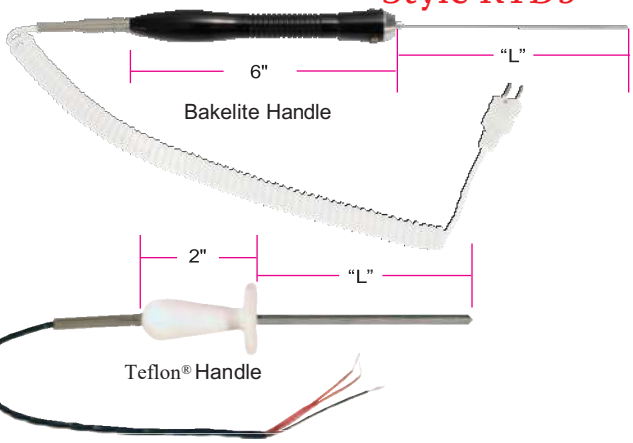
Lead Wire Construction *BOX 12*

		w/ SS Braid	w/ SS Armor
Fiberglass Stranded 900° (482°C)	**S**	**B**	**A**
Teflon® Stranded 392°F (200°C)	**T**	**D**	**F**

Special Requirements *BOX 13*

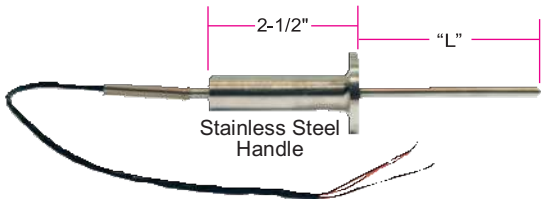
X = Specify
0 = None

Style RTD5 — Handheld Probe



Design Features

- Platinum Resistance Element
- Ground conical point for easy meat penetration
- Large handle makes penetration and removal easy
- Teflon® insulated lead wire construction good to 392°F (200°C)
- Fiberglass lead wire construction good to 900°F (482°C)
- 3-wire coil cord construction good to 221°F (105°C). Not available with over braid or flex armor. Extended length 5 or 15 ft. (standard).



Ordering Information

RTDs are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

Ordering Code:

RTD5 – [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12]

Element *BOX 1*

S = 100Ω Single
D = 100Ω Dual
K = 1000Ω Single
L = 1000Ω Dual

TCR = .00385 ohm/ohm/°C

Element Class *BOX 2*

A = ±0.06% at 0°C, Optional
B = ±0.12% at 0°C, Standard

Number of Leads *BOX 3*

2 = 2-wire circuit
3 = 3-wire circuit
4 = 4-wire circuit

0.125" O.D. (Dual circuit not available)

Sheath O.D. *BOX 4*

F = 0.125"
G = 0.188"
H = 0.250"
X = Other (Specify)

Sheath Material *BOX 5*

B = 304 SS
C = 316 SS

Sheath Length "L" *BOX 6*

Whole inches
01 to **99**
For lengths over 99 in. consult HK.

Sheath Length "L" *BOX 7*

Fractional inches

0 = 0"
1 = 1/8"
2 = 1/4"
3 = 3/8"
4 = 1/2"
5 = 5/8"
6 = 3/4"
7 = 7/8"

Lead Wire Length *BOX 8*

In inches **012** to **999**
60" (060) Standard
For Coil Cords Enter 060 or 180

Lead Wire Construction *BOX 9*

	Standard	w/ SS Overbraid	w/ Flex Armor
Coil Cord 221°F (105°C)	C	—	—
Fiberglass Stranded 900°F (482°C)	S	B	A
Teflon® Stranded 392°F (200°C)	T	D	F

Lead Wire Termination *BOX 10*

P = Standard Male Plug 350°F (177°C)
J = Standard Female Jack
K = Std. Plug with Mating Jack
D = Mini Male Plug 350°F (177°C)
E = Mini Female Jack
F = Mini Plug with Mating Jack
B = Split Leads
S = Leads with Spade Lugs
C = 2.5 in. with BX Connector and Spade Lugs

Plugs and Jacks for 2- and 3-Wire Only

Handle Type *BOX 11*

1 = Stainless Steel
2 = Teflon® 500°F (260°C)
3 = Bakelite 400°F (204°C)

Special Requirements *BOX 12*

X = Specify
0 = None

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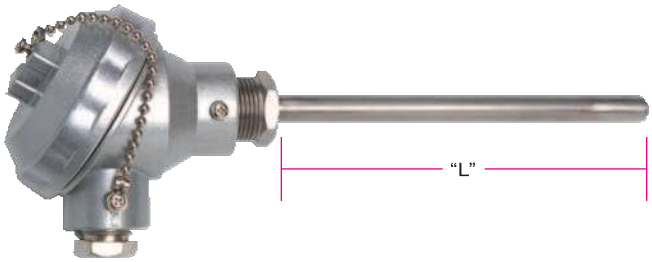
Style RTD6 — Connection Head



Design Features

- Platinum Resistance Element in single or dual circuit.
- HK's connection heads are gasketed to seal against moisture, dust and corrosive or hostile atmospheres.
- Screw covers are attached to body with a stainless steel chain and screws.
- HK's connection heads are available in die cast aluminum, cast iron, stainless steel and Bakelite. Explosion proof heads are also available in aluminum and stainless steel.

Optional Installation Compression Fitting See Box 10

Two Construction Styles to Suit Any Application

(See Ordering Code Box 9)

- Standard Industry Tube and Wire construction with fiberglass 900°F (482°C) or Teflon® 392°F (200°C) lead wires
- Mineral Insulated construction rated up to 1200°F (650°C). This construction type allows forming and bending the sheath to meet design requirements.

Ordering Information

RTDs are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

Ordering Code: **RTD6** – [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11]

Element *BOX 1*

S = 100Ω Single
D = 100Ω Dual
K = 1000Ω Single
L = 1000Ω Dual
X = Others (Specify)

Element Class *BOX 2*

A = Class A, Standard
B = Class B, Optional
X = Others (Specify)

Number of Leads *BOX 3*

2 = 2-wire circuit
3 = 3-wire circuit
4 = 4-wire circuit
6 = 6-wire circuit

Sheath O.D. *BOX 4*

F = 6 mm
G = 8 mm
H = 12 mm

Sheath Material *BOX 5*

B = 304 SS
C = 316 SS
A = Inconel 600
(Type "M" Only; See Box 9)

Sheath Length "L" *BOX 6 and 7*

In mm
001 to **999**
For lengths over 999 mm. consult HK

Connection Head *BOX 8*

A = Standard Size Aluminum
B = Medium Size Aluminum
C = Miniature Aluminum
H = Standard Cast Iron
F = Standard Bakelite
P = Polypropylene
N = Miniature Nickel-Plated Steel
S = Stainless Steel
E = Explosion Proof (Aluminum)
T = Explosion Proof (Stainless Steel)

Note: Conduit connection for A, F, H & S is 1/2" (3/4" available); for B & C is 3/8"; and for P is 3/4" NPT.

Please refer to Pg. 7 for all types of head

RTD Construction Type *BOX 9*

Standard Industry Construction
S = Fiberglass insulated 900°F (450°C)
T = Teflon® Insulated 392°F (200°C)

Mineral Insulated Construction
M = MgO Insulated 1200°F (650°C)
(Type "M" not available for "K" or "L" from Element Box 1)

Optional Compression Fitting *BOX 10*

1 = 1/8" NPT SS
2 = 1/4" NPT SS
3 = 1/2" NPT SS
4 = 1/8" NPT Brass
5 = 1/4" NPT Brass
6 = 1/2" NPT Brass
0 = None Required

Special Requirements *BOX 11*

X = Specify
0 = None

Connection Head(Temperature Sensor Enclosure)

Mini Head 1

Mini Head 2

Mini Head 3

Plastic Head

Small Bakelite Head

Weather Proof Head

Weather Proof Head(BIG)

Hinge Type Head

Imported Head 1

Imported Head 2

Imported Head 3

Imported Head 4

Flame Proof Head 1

Flame Proof Head 2
(II C APPROVED)

IP-65 HEAD

SS Head

SS Head (SMALL)

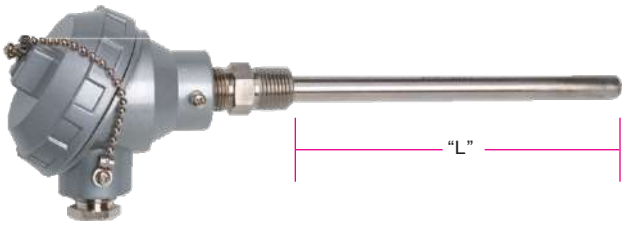
Stainless Steel(SS) Head 1

Stainless Steel(SS) Head 2

KNE Type Head

Contact : +91-22-26773837 Telefax : +91-22-66954779 Mobile : +91-9967642914

Style RTD7 — Connection Head with 1/2" NPT Hex Nipple



Design Features

- Platinum Resistance Element.
- HK's connection heads are gasketed to seal against moisture, dust and corrosive or hostile atmospheres.
- Screw covers are attached to body with a plated chain.
- Covers have lugs for tightening or loosening with a screwdriver or wrench.
- Available in single or duplex.
- HK's connection heads are available in die cast aluminum, Bakelite and cast iron in a variety of sizes from miniature for confined areas, to the large universal head designed for heavy process and industrial applications. Please refer to Pg 2 for different types of connection heads

Two Construction Styles to suit any application

(See Ordering Code Box 10)

- Standard Industry Tube and Wire construction with fiberglass 900°F (482°C) or Teflon® 392°F (200°C) lead wires.
- Mineral Insulated construction rated up to 1200°F (650°C). This construction type allows forming and bending the sheath to meet design requirements.

Ordering Information

RTDs are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

Ordering Code: **RTD7** – [1] [2] [3] [4] [5] [6]–[7] [8] [9] [10] [11]

Element *BOX 1*
S = 100Ω Single
D = 100Ω Dual
K = 1000Ω Single
L = 1000Ω Dual
TCR = .00385 ohm/ohm/°C

Element Class *BOX 2*
A = ±0.06% at 0°C, Optional
B = ±0.12% at 0°C, Standard

Number of Leads *BOX 3*
2 = 2-wire circuit
3 = 3-wire circuit
4 = 4-wire circuit (Dual circuit not available)
0.125" O.D. (Dual circuit not available)

Sheath O.D. *BOX 4*
F = 0.125"
G = 0.188"
H = 0.250"

Sheath Material *BOX 5*
B = 304 SS
C = 316 SS
A = Alloy 600
(Type "M" Only; See Box 10)

Sheath Length "L" *BOX 6*
Whole inches
01 to **99**
For lengths over 99 in. consult HK.

Sheath Length "L" *BOX 7*
Fractional inches
0 = 0"
1 = 1/8"
2 = 1/4"
3 = 3/8"
4 = 1/2"
5 = 5/8"
6 = 3/4"
7 = 7/8"

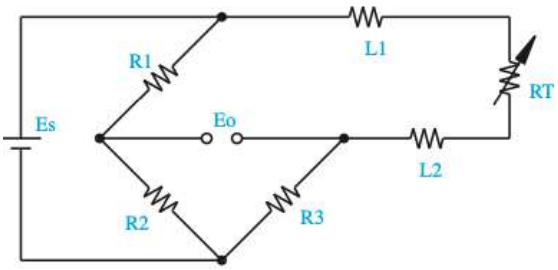
Connection Head *BOX 8*
A = Standard Size Aluminum
B = Medium Size
C = Miniature
H = Standard Cast Iron
S = Stainless Steel
F = Standard Bakelite
P =
Note: Conduit connection for A, F, H & S is 1/2" (3/4" available); for B & C is 3/8"; and for P is 3/4"

Spring-Loaded Probe *BOX 9*
O = Not Required
Y = Required

RTD Construction Type *BOX 10*
Standard Industry Construction
S = Fiberglass insulated 900°F (450°C)
T = Teflon® Insulated 392°F (200°C)
Mineral Insulated Construction
M = MgO Insulated 1200°F (650°C
(Type "M" not available for "K" or "L" from Element Box 1)

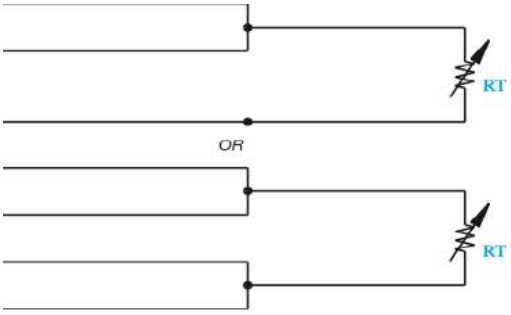
Special Requirements *BOX 11*
X = Specify
0 = None

RTD Wiring Diagrams



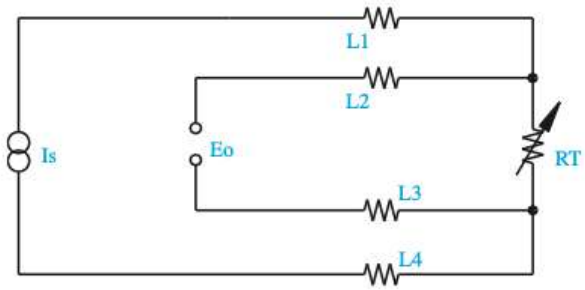
2-wire circuit

Shown is a 2-wire RTD connected to a typical Wheatstone bridge circuit. Es is the supply voltage; Eo is the output voltage; R1, R2, and R3 are fixed resistors; and RT is the RTD. In this uncompensated circuit, lead resistance L1 and L2 add directly to RT.



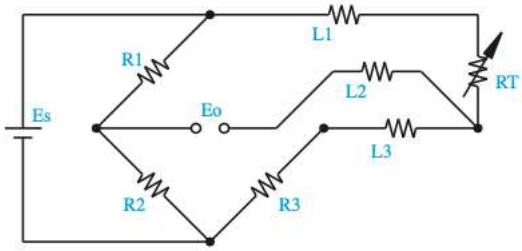
2-wire circuit for a 3 or 4-wire circuit

If necessary, you can connect a 2-wire RTD to a 3-wire circuit or 4-wire circuit, as shown. As long as the junctions are near the RTD, as in a connection head, errors are negligible.



4-wire circuit

4-wire RTD circuits not only cancel lead wires but remove the effects of mismatched resistances such as contact points. A common version is the constant cur- rent circuit shown here. Is drives a precise measuring current through L1 and L4; L2 and L3 measure the voltage drop across the RTD element. Eo must have high impedance to prevent current flow in the potential leads. 4-wire circuits may be usable over a longer distance than 3-wire, but you should consider using a transmitter in electrically noisy environments.



3-wire circuit

In this circuit there are three leads coming from the RTD instead of two. L1 and L3 carry the measuring current while L2 acts only as a potential lead. No cur- rent flows through it while the bridge is in balance. Since L1 and L3 are in separate arms of the bridge, resistance is canceled. This circuit assumes high impedance at Eo and close matching of resistance between wires L2 and L3. TEMPCO matches RTD leads within 5%. As a rule of thumb, 3-wire circuits can handle wire runs up to 100 feet.

RTD Temperature vs. Resistance Table

100 Ohm RTD

DIN 43760 with Temperature Coefficient of .00385

JIS 1604-1989 with Temperature Coefficient of .00392

°C	DIN	JIS	°C	DIN	JIS
-100	60.26	59.54	290	208.48	210.45
-90	64.30	63.66	300	212.05	214.08
-80	68.33	67.76	310	215.61	217.70
-70	72.33	71.84	320	219.15	221.31
-60	76.33	75.90	330	222.68	224.91
-50	80.31	79.95	340	226.20	228.49
-40	84.27	83.99	350	229.71	232.06
-30	88.22	88.01	360	233.21	235.63
-20	92.16	92.02	370	236.70	239.18
-10	96.09	96.02	380	240.17	242.72
0	100.00	100.00	390	243.64	246.24
10	103.90	103.97	400	247.09	249.76
20	107.79	107.93	410	250.53	253.26
30	111.67	111.88	420	253.96	256.75
40	115.54	115.82	430	257.38	260.23
50	119.40	119.75	440	260.78	263.70
60	123.24	123.66	450	264.18	267.16
70	127.07	127.56	460	267.56	270.60
80	130.90	131.45	470	270.93	274.03
90	134.71	135.33	480	274.29	277.46
100	138.51	139.20	490	277.64	280.87
110	142.29	143.06	500	280.97	284.26
120	146.07	146.90	510	284.30	287.65
130	149.83	150.73	520	287.61	291.02
140	153.58	154.55	530	290.91	294.39
150	157.32	158.36	540	294.20	297.74
160	161.05	162.16	550	297.48	301.08
170	164.77	165.94	560	300.75	304.40
180	168.48	169.71	570	304.01	307.72
190	172.17	173.48	580	307.25	311.02
200	175.85	177.23	590	310.48	314.31
210	179.53	180.96	600	313.70	317.59
220	183.19	184.69	610	316.91	320.86
230	186.83	188.41	620	320.11	324.12
240	190.47	192.11	630	323.30	327.36
250	194.10	195.80	640	326.47	330.60
260	197.71	199.48	650	329.64	333.82
270	201.31	203.15	660	332.79	337.03
280	204.90	206.80	670	335.93	340.23

°F	DIN	JIS	°F	DIN	JIS
-200	48.46	47.54	580	213.63	215.69
-180	53.02	52.18	600	217.58	219.71
-160	57.55	56.79	620	221.51	223.71
-140	62.06	61.37	640	225.42	227.70
-120	66.54	65.94	660	229.32	231.67
-100	71.00	70.48	680	233.21	235.63
-80	75.44	75.00	700	237.09	239.57
-60	79.87	79.50	720	240.94	243.50
-40	84.27	83.99	740	244.79	247.42
-20	88.66	88.46	760	248.62	251.32
0	93.03	92.91	780	252.44	255.20
20	97.39	97.34	800	256.24	259.07
40	101.74	101.77	820	260.03	262.93
60	106.07	106.17	840	263.80	266.77
80	110.38	110.57	860	267.56	270.60
100	114.68	114.95	880	271.30	274.42
120	118.97	119.31	900	275.03	278.21
140	123.24	123.66	920	278.75	282.00
160	127.50	128.00	940	282.45	285.77
180	131.74	132.32	960	286.14	289.52
200	135.97	136.62	980	289.82	293.27
220	140.19	140.91	1000	293.47	296.99
240	144.39	145.19	1020	297.12	300.70
260	148.58	149.46	1040	300.75	304.40
280	152.75	153.70	1060	304.37	308.09
300	156.91	157.94	1080	307.97	311.75
320	161.05	162.16	1100	311.56	315.41
340	165.18	166.36	1120	315.13	319.05
360	169.30	170.55	1140	318.69	322.67
380	173.40	174.73	1160	322.24	326.28
400	177.49	178.89	1180	325.77	329.88
420	181.56	183.04	1200	329.28	333.46
440	185.62	187.17	1220	332.79	337.03
460	189.66	191.29	1240	336.28	340.58
480	193.69	195.39	1260	339.75	344.12
500	197.71	199.48	1280	343.21	347.64
520	201.71	203.55	1300	346.65	351.15
540	205.70	207.61	1320	350.09	354.65
560	209.67	211.66	1340	353.50	358.13

Tolerance °C

Class A: ±(0.15+0.002T)°C

Class B: ±(0.30+0.005T)°C

NOTE: "T" is the actual temperature, in °C of the platinum element.

Note: For 1000 ohm RTDs multiply resistance shown in table by 10.