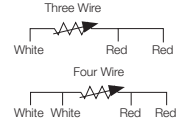
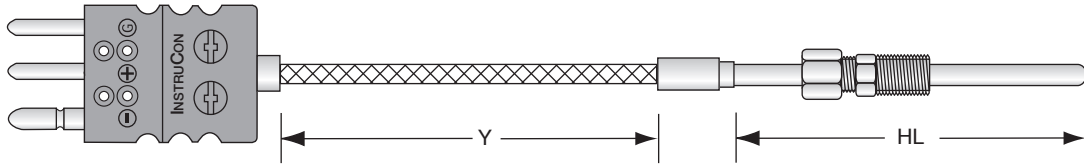


Industrial RTD

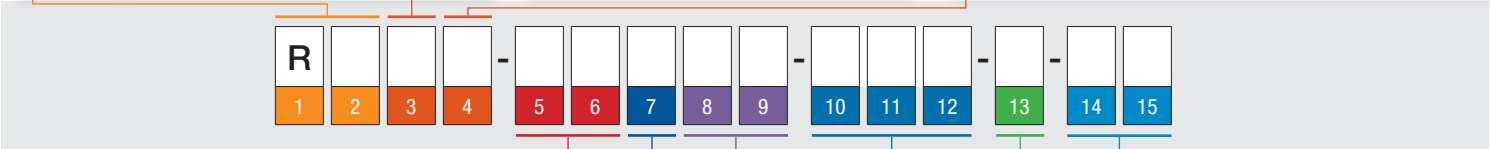
Resistance Temperature Detector, Platinum

RTDs change resistance with temperature changes. They are more accurate than thermocouples, especially over a narrow range. Standard accuracy ratings of 0.25% and 0.10% are offered. However, they offer less resistance to physical shock, and respond slower.

The RTD element is a wire coil precision wound to a specific resistance value, hermetically sealed to prevent influence from moisture. It is mounted at the tip of a metal protection tube for physical protection.



Field 1, 2		Field 3				Field 4		
Code	RTD Base	Accuracy	Code	Temp.	Wire Type	Code	Elements	Wire
R5	0.00391 $\Omega/\Omega/^\circ\text{C}$ with RTD Bulb	0.25%	1	500°F	Teflon	1	Single element	3 wire
R7	0.00385 $\Omega/\Omega/^\circ\text{C}$ with Thin Film RTD Element	0.10%	2	500°F	Teflon	2	Dual element	3 wire (Requires 0.250" protection tube, Fields 5, 6)
			3	932°F	Fiberglass	5	Single element	4 wire
			4	932°F	Fiberglass			



Fields 5,6			
Code	Material	O.D.	
65	304 Stainless Steel	0.188"	
66	304 Stainless Steel	0.250"	
68	316 Stainless Steel	0.188"	
69	316 Stainless Steel	0.250"	
72	Inconel	0.250"	

Dual element only available with 0.250" O.D. protection tube. (Field 4, Code 2)

Field 7	
Code	Flexible Lead Material
0	None
1	Teflon (500°F) or Fiberglass (932°F)
2	Teflon (500°F) or Fiberglass (932°F) with armor
3	Teflon (500°F) or Fiberglass (932°F) with SS overbraid (only available if Field 4 is a code 1, single element)

Field 8, 9	
Code	Hot Length
XX	Dimension "HL" (Specify XX in whole inch increments, using two digits) NOTE: If over 98", specify 99 = "length" on order

Fields 10,11,12	
Code	Flexible Lead Length
YYY	Dimension "Y" (Specify YYY in whole inch increments, using three digits) NOTE: If over 998", specify 999 = "length" on order

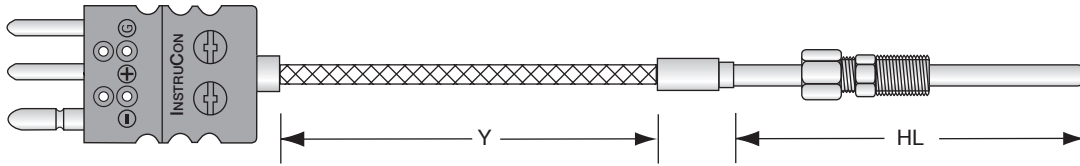
Termination Type	Code	Field 14, 15: Cold End Termination	Rating
Stripped and Split Leads	00	1/4 Stripped leads	
	01	2-1/2" split leads, spade lugs	
	02	2-1/2" split leads, spade lugs, 1/2" NPS box connector w/ lock nut	
Plugs and Jacks	03	Solid pin quick disconnect plug	
	04	Solid pin quick disconnect plug with mating jack	
	05	Standard quick disconnect jack	
Open Heads	07	Ceramic wafer open head (dual; .250" sheath only)	
Polypropylene Head	34	White Polypropylene Head	
	53	Black Polypropylene Head	
General Purpose	08	General Purpose Cast Iron Head. Replace with code 10	
	09	General Purpose Aluminum Head. Replace with code 27	
Weatherproof Head	10	Weatherproof, cast iron head	70*
	27	Weatherproof, aluminum head	32*
	35	Weatherproof, 316 stainless steel head	75*
Explosion Proof Head	22	Explosion proof head, aluminum head (NEMA 4X)	72*
	29	Explosion proof head, blue epoxy, aluminum head (ATEX)	79*
	36	Explosion proof head, 316 stainless steel head (NEMA 4X)	76*
	38	Explosion proof head, 316 stainless steel head (ATEX)	78*

Code with Transmitter

Field 13	
Code	Mounting Fitting
0	None
4	1/4" NPT nickel plated brass compression fitting
5	1/4" NPT stainless steel compression fitting
7	Stainless steel double ended bushing, 1/2" NPT only
8	Spring loaded stainless steel double ended bushing, 1/2" NPT only
9	Specify details on order

Industrial RTD

Resistance Temperature Detector, Platinum



Common Model Numbers

(The numbers below are just some of the more common numbers for this product. There are too many combinations to list them all.)

R511-68024-000-5-12

R521-68106-060-7-00

R521-69003-000-7-27

R521-69004-000-7-27

R521-69006-000-7-27

R531-65002-000-8-22

R531-65099-000-8-22

R531-65099-000-8-27

R531-68015-000-7-10

R542-33207-060-3-00

R711-65003-000-7-10

R711-65004-048-5-04

R711-65012-000-5-12

R711-66002-000-7-34

R711-66009-000-4-27

R711-66009-000-9-27

R711-66024-000-7-10

R711-66099-000-7-34

R711-660XX-000-7-34

R711-66103-024-8-00

R711-66104-000-7-00

R711-69024-000-8-27

R715-69008-000-7-27

R715-69048-000-7-00

R721-65103-036-5-00

R721-65106-048-5-01

R721-65109-024-0-03

R721-66002-000-7-27

R721-66008-000-0-00

R721-66012-000-7-27

R721-66106-000-4-00

R721-66125-000-7-27

R721-661xx-000-7-27

R721-68001-000-7-27

R721-68106-050-5-00

R721-69003-000-7-27

R721-69004-000-5-09

R721-69006-000-7-09

R721-69006-000-7-27

R721-69008-000-7-27

R721-69012-000-7-27

R721-69112-050-0-00

R722-00050-000-L-28

R722-66018-000-7-09

R722-66018-000-7-27

R722-66199-012-0-00

R722-66199-012-7-00

R722-69009-000-7-34

R722-69112-008-8-01

R722-69199-012-7-00

R725-69004-000-8-27

R725-69138-000-7-00

R731-33300-144-6-00

R731-33300-240-6-00

R731-65099-000-8-27

R731-66010-000-8-22

R731-66034-000-7-27

R732-69003-000-7-27

R732-69008-000-7-27

R732-69020-000-4-04

R741-65305-060-0-00

R741-66032-000-5-10

R741-66042-000-7-27

R745-65103-012-0-00

R745-65130-012-0-00