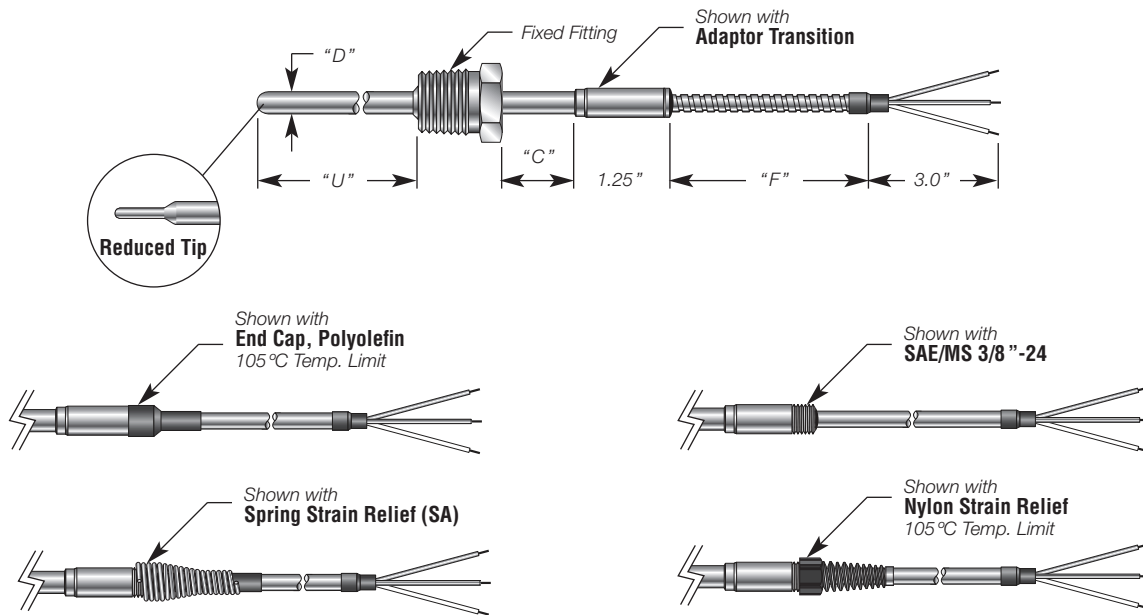


RTD R11

Direct Immersion RTD with Transition
Extension Cable and Welded Process Fitting



Features

- General purpose RTD probe with PVC or Teflon lead wires
- Transition adaptor between leads and sheath
- Welded fitting available
- OEM designs and pricing available

Description

This general purpose RTD probe is compact, low cost and ideal for OEM applications. Lead wires transition the sheath with the use of metal transition adaptor and are at that point more durable than the model R03 probe. PVC or Teflon jacketed lead wires are available.

Stocked items

Intempco stocks the most commonly used R11 style capsule probes with the following features :

- Teflon insulated leads, stranded 22 AWG silver plated copper, terminating in stripped ends, 3 feet long
- 3-wire configuration, Code S3
- Element Pt 100 Ohm @ 0 °C, $\alpha=0.00385$, Class A
- Temperature range of -50/200 Deg. C
- 1/8", 3/16" and 1/4" diameter SS316 sheath w/end cap
- Probe lengths available are 4", 6", 9", 12", 18", and 24"

Ordering Information (Order using Intempco inventory number)

Inventory Number	Description
R11A-L-S3-B-TF-036-L*	Probe 1/8" diameter, specify sheath length
R11A-L-S3-C-TF-036-L*	Probe 3/16" diameter, specify sheath length
R11A-L-S3-D-TF-036-L*	Probe 1/4" diameter, specify sheath length

*Sheath length L :

Select -> **040** for 4 inch **120** for 12 inch
060 for 6 inch **180** for 18 inch
090 for 9 inch **240** for 24 inch

RTD R11

Direct Immersion RTD with Transition
Extension Cable and Welded Process Fitting



Custom Builder

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

R11 - - - - - - - - - - - - -

BOX 1 CODE	Temperature Range
L	Low temperature -50 to 200°C (-58/392°F)
M	Medium temperature -50 to 400°C (-58/752°F)
H	High temperature -200 to 600°C (-328/1112°F)

BOX 2 CODE	Element Type
P	100Ω @ 0°C, α = 0.00385 DIN EN 60751
T	1000Ω @ 0°C, α = 0.00385 DIN EN 60751

Other elements available. Consult factory.

BOX 3 CODE	Element Tolerance
1	±0.12% (±0.3°C) @ 0°C, Class B
2	±0.06% (±0.15°C) @ 0°C, Class A
3	±0.04% (±0.1°C) @ 0°C, Class AA

Other tolerances available. Consult factory.

BOX 4 CODE	RTD Circuit Type
S2	Single, 2 wire
S3	Single, 3 wire
S4	Single, 4 wire
D2	Dual, 2 wire
D3	Dual, 3 wire
D4	Dual, 4 wire

Note : 1. Dual RTD's require 0.187 O.D. min.
2. S3 industry standard circuit
3. S4, D4 circuits most accurate

BOX 5 CODE	Probe Diameter "D"
B	1/8"
40	0.156" (4.0mm)
C	3/16"
60	0.236" (6.0mm)
D	1/4"
F	3/8"
H	1/2"

CODE	Sheath O.D.	Tip O.D.
DB	1/4"	1/8"
FC	3/8"	3/16"
HC	1/2"	3/16"
HD	1/2"	1/4"
JD	5/8"	1/4"

Other diameters available. Consult factory.

BOX 6 CODE	Probe Material
S	Stainless steel 316/316L
I	Inconel 600

Other materials available. Consult factory.

BOX 7 CODE	Immersion Length "U"
----	In 0.1" increments Ex.: 065 = 6.5" long

BOX 8 CODE	Extension Length "C"
N---	In 0.1" increments (1.0" Std.) Ex.: N10 = 1.0" long

BOX 9 CODE	Probe Termination
AT	Adaptor transition only
EC	Adaptor w/End cap
SA	Adaptor w/Spring
SR	Adaptor w/Nylon Strain Relief
ES	Adaptor w/SAE/MS 3/8"-24
NA	No Adaptor transition, smooth probe

Other terminations available. Consult factory.

BOX 10 CODE	Fitting Type
F**S*	Fixed (welded) process fitting
Fitting material : * S = Stainless steel 316/316L I = Inconel® 600 H = Hasteloy M = Monel® Process NPT male size : ** 18 = 1/8" NPT 14 = 1/4" NPT 38 = 3/8" NPT 12 = 1/2" NPT 34 = 3/4" NPT 44 = 1" NPT	

Other fittings available. See www.intempco.com & consult factory for pricing.

BOX 11 CODE	Extension Cable Type
PV	PVC insulation, stranded cond. 90°C (195°F) max.
TF	Teflon® insulation, stranded cond. 200°C (392°F) max.
TS	Teflon® with SS overbraid, 200°C (392°F) max.
TA	Teflon® with SS armor, 200°C (392°F) max.
TP	Teflon® with SS armor and polyolefin shrink, 90°C (195°F) max.
TT	Teflon® with SS armor and Teflon® shrink, 200°C (392°F) max.

BOX 12 CODE	Extension Cable Length "F"
----	In inches Ex.: 060 = 60" long

Note : Extension wires 12" long and less are single stranded leads, 22 AWG

BOX 13 CODE	Options
N	None
C1	CoC @ 0°C RvsT table
C2	CoC @ 0°C & 100°C RvsT table

Other options available. See Accessories and Option Codes section, www.intempco.com or consult factory.