



Fig 1. Single R342 Sensor shown



Fig 2. R342 with Single 3-wire RTD shown

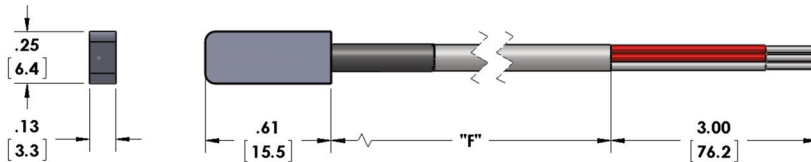


Fig 3. Dimensions of an R342 RTD. Dimensions are in [mm], unless specified otherwise.

Stock Items

Part Number	Model Number	Element Type	Cable Type	Cable Length (ft)*	Description/Comments
100-024-xxx	R342-B-P-2-S3-S-PV-"F"-B-N	Pt100Ω	PVC, 3-wire	10, 20,50,100	100°C (212°F) max.
100-024-xxx	R342-B-T-2-S3-S-TF-"F"-B-N	Pt1000Ω	Teflon, 3-wire	10, 20,50,100	200°C (392°F) max.
100-025-xxx	R342-B-P-2-S4-S-PV-"F"-B-N	Pt100Ω	PVC, 4-wire	10, 20,50,100	100°C (212°F) max.
100-025-xxx	R342-B-T-2-S4-S-TF-"F"-B-N	Pt1000Ω	Teflon, 4-wire	10, 20,50,100	200°C (392°F) max.

*Cable lengths are varied as shown above: 10ft, 20ft, 50ft, or 100ft are available
For more items in stock, please visit Intempco Website

Example of Model Number: R342-B-P-2-S4-S-PV-100-B-N

Custom Builder

MODEL 1 2 3 4 5 6 7 8 9

R342 - - - - - - - - - -

BOX 1 CODE	Temperature Range
B	Low temperature -20 to 100°C (-4/212°F)
L	Low temperature -50 to 200°C (-58/392°F)

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

Other elements available. Consult factory.

BOX 3 CODE	Element Tolerance
2	±0.06% (±0.15°C) @ 0°C, Class A

Other tolerances available. Consult factory.

BOX 4 CODE	RTD Circuit Type
S3	Single, 3-wire
S4	Single, 4-wire

Note : 1. S3 industry standard circuit.
2. S4 circuit most accurate.

BOX 5 CODE	Mounting Pad Material
S	Stainless steel 316

BOX 6 CODE	Extension Cable Type
PV*	PVC insulation, stranded cond. 100°C (212°F) max.
TF	Teflon® insulation, stranded cond. 200°C (392°F) max.

* PV option not compatible with the "L" temp. range

BOX 7 CODE	Extension Cable Length "F"
---	In feet Ex.: 060 = 60 feet long

BOX 8 CODE	Options
A	Matched Pair
B	Single RTD

BOX 9 CODE	Calibration Options
N	None
C1	CoC @ 0°C R vs T table NIST Tracable
C2	CoC @ 0°C & 100°C R vs T table NIST tracable