

Fig1. A single 3-wire R344 RTD

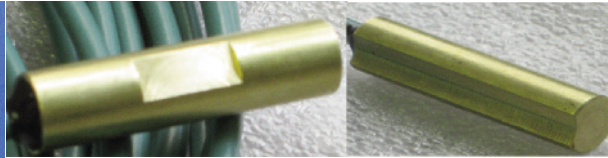


Fig2. An enlarged view of the brass RTD housing

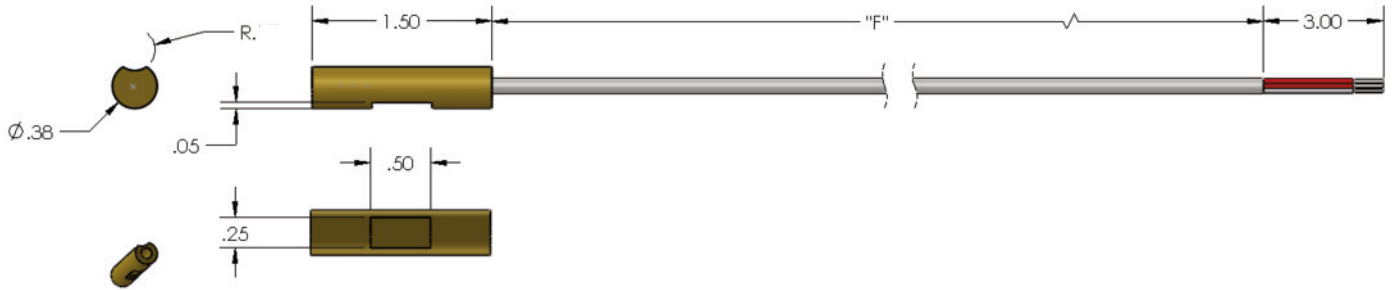


Fig3. Mechanical Dimensions of an R344 with a radius option.

Stock Items

| Part Number | Model Number | Element Type | Cable Type | Cable Length (ft)* | Description/Comments |
|-------------|-------------------------------|--------------|----------------|--------------------|--|
| 100-024-xxx | R344-B-P-2-S3-B-38-PV-"F"-B-N | Pt100Ω | PVC, 3-wire | 10, 20,50,100 | 100°C (212°F) max. Pad with a 3/8 Radius |
| 100-024-xxx | R344-L-T-2-S3-B-38-TF-"F"-B-N | Pt1000Ω | Teflon, 3-wire | 10, 20,50,100 | 200°C (392°F) max. Pad with a 3/8 Radius |
| 100-025-xxx | R344-B-P-2-S4-B-38-PV-"F"-B-N | Pt100Ω | PVC, 4-wire | 10, 20,50,100 | 100°C (212°F) max. Pad with a 3/8 Radius |
| 100-025-xxx | R344-L-T-2-S4-B-38-TF-"F"-B-N | Pt1000Ω | Teflon, 4-wire | 10, 20,50,100 | 200°C (392°F) max. Pad with a 3/8 Radius |

For more items in stock, please visit Intempco Website

*Cable lengths are varied as shown above: cables with 10ft, 20ft, 50ft, or 100ft lengths are available

Example of Model Number: R344-B-P-2-S4-B-25-PV-100-B-N

Custom Builder

MODEL 1 2 3 4 5 6 7 8 9 10

R344 - - - - - - - - - - -

| BOX1 CODE | Temperature Range |
|-----------|---|
| B | Low temperature -20 to 100°C (-4/212°F) |
| L | Low temperature -50 to 200°C (-58/392°F) |

| BOX2 CODE | Element Type |
|-----------|--|
| P | 100Ω @ 0°C, α = 0.00385 DIN EN 60751 |
| T | 1000Ω @ 0°C, α = 0.00385 DIN EN 60751 |

| BOX3 CODE | Element Tolerance |
|-----------|---------------------------------|
| 2 | ±0.06% (±0.15°C) @ 0°C, Class A |

Other tolerances available. Consult factory.

| BOX4 CODE | RTD Circuit Type |
|-----------|------------------|
| S2 | Single, 2-wire |
| S3 | Single, 3-wire |
| S4 | Single, 4-wire |

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

| BOX5 CODE | Mounting Pad Material |
|-----------|-----------------------|
| B | Brass |

| BOX6 CODE | Mounting Pad Radius "R" |
|-----------|---|
| 00 | Flat Pad, No Radius. Std |
| --- | In 0.01" increments Ex.: 25 = 0.25" radius |

| BOX7 CODE | Extension Cable Length "F" |
|-----------|------------------------------------|
| --- | In feet Ex.: 060 = 60 feet long |

| BOX8 CODE | Extension Cable Type |
|-----------|--|
| PV* | PVC insulation, stranded cond. 100°C (212°F) max. |
| TF | Teflon® insulation, stranded cond. 200°C (392°F) max. |
| TS | Teflon with SS Overbraid, 200°C (392°F) max |

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

| BOX9 CODE | Options |
|-----------|--------------|
| A | Matched Pair |
| B | Single RTD |

| BOX10 CODE | Calibration Options |
|------------|--|
| N | None |
| C1 | CoC @ 0°C R vsT table NIST Tracable |
| C2 | CoC @ 0°C & 100°C R vsT table NIST tracable |