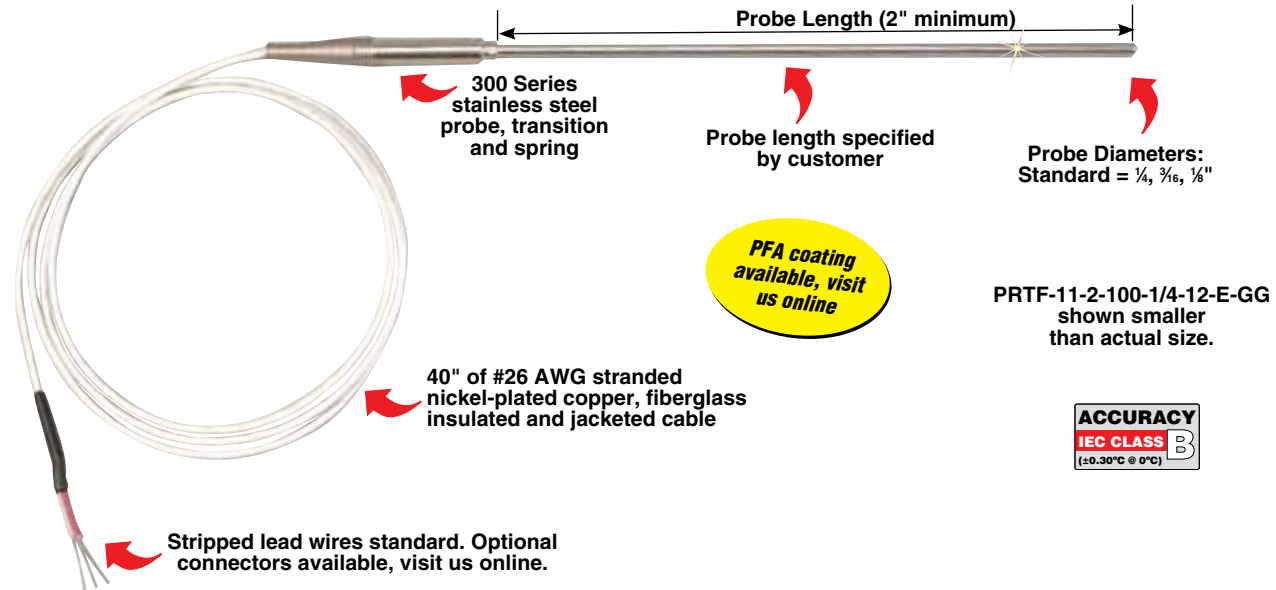# RTD Probes with Transitions
With Fiberglass Insulated and Jacketed Cable for Industrial Applications
Standard Dimensions

- ✔ **Probe Transition Includes a Strain Relief Spring at the Cable Exit**
- ✔ **Available in Standard and Metric Sizes**
- ✔ **Temperature Range -50 to 500°C**

- ✔ **Precision Thin Film 100 or 1000 Ω, Class B DIN Platinum Elements per IEC60751 (alpha = 0.00385 Ω/Ω/°C)**
- ✔ **2-, 3-, 4-Wire Constructions Available**
- ✔ **All Sensors Supplied to IEC60751/ASTM E-1137 Color Codes**

Probe Length (2" minimum)

300 Series stainless steel probe, transition and spring

Probe length specified by customer

Probe Diameters: Standard = ¼, ³⁄₁₆, ⅛"

PFA coating available, visit us online

PRTF-11-2-100-1/4-12-E-GG shown smaller than actual size.

40" of #26 AWG stranded nickel-plated copper, fiberglass insulated and jacketed cable

ACCURACY
IEC CLASS B
(±0.30°C @ 0°C)

Stripped lead wires standard. Optional connectors available, visit us online.

100 Ω Sensor

To Order		
Model Number	**Lead Wire Style**	**Sheath Length**
PRTF-11-2-100-(*)-6-E-GG	3 Wire	6"
PRTF-11-2-100-(*)-9-E-GG	3 Wire	9"
PRTF-11-2-100-(*)-12-E-GG	3 Wire	12"
PRTF-11-2-100-(*)-18-E-GG	3 Wire	18"
PRTF-11-2-100-(*)-24-E-GG	3 Wire	24"

* Specify "-1/8", "-3/16", or "-1/4" for probe diameter in inches. To order 2-wire sensors, change "-2" to "-1" in the model number at same price. To order 4-wire sensors, change "-2" to "-3" in the model number for an additional cost. To order probes in intermediate lengths (2" minimum), change model number, and use next longer probe price. For probe lengths over 24", change length in model number for an additional cost per inch of probe length. For cables longer than 40", add cable length to end of the model number for an additional cost per foot. For MTP and OTP connectors, add "-MTP" or "-OTP" to model number for an additional cost. For TA3F audio connector, add "-TA3F" to model number for an additional cost.

***Ordering Example:** PRTF-11-2-100-1/4-12-E-GG-TA3F, 100 Ω, Class "B" RTD with a ¼" diameter by 12" long probe, 40" of 3-wire fiberglass insulated and jacketed cable and TA3F connector.*

1000 Ω Sensor

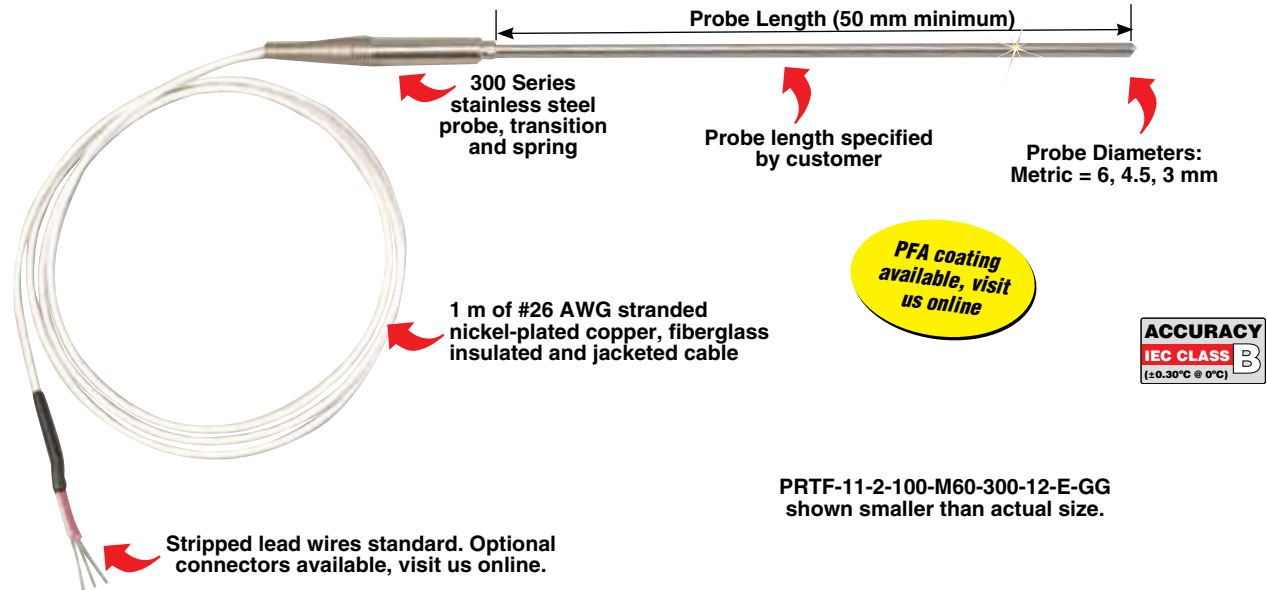| To Order		
Model Number	**Lead Wire Style**	**Sheath Length**
PRTF-11-2-1000-(*)-6-E-GG	3 Wire	6"
PRTF-11-2-1000-(*)-9-E-GG	3 Wire	9"
PRTF-11-2-1000-(*)-12-E-GG	3 Wire	12"
PRTF-11-2-1000-(*)-18-E-GG	3 Wire	18"
PRTF-11-2-1000-(*)-24-E-GG	3 Wire	24"

***Ordering Example:** PRTF-11-2-1000-1/8-12-E-GG-TA3F, 1000 Ω, Class "B" RTD with a ⅛" diameter probe 12" long, 40" of 3-wire fiberglass insulated cable and TA3F connector.*

RTD Probes with Transitions
With Fiberglass Insulated and Jacketed Cable for Industrial Applications
Metric Dimensions

- ✔ **Probe Transition Includes a Strain Relief Spring at the Cable Exit**
- ✔ **Available in Standard and Metric Sizes**
- ✔ **Temperature Range -50 to 500°C**

- ✔ **Precision Thin Film 100 or 1000 Ω, Class B DIN Platinum Elements per IEC60751 (alpha = 0.00385 Ω/Ω/°C)**
- ✔ **2-, 3-, 4-Wire Constructions Available**
- ✔ **All Sensors Supplied to IEC60751/ASTM E-1137 Color Codes**

Probe Length (50 mm minimum)

300 Series stainless steel probe, transition and spring

Probe length specified by customer

Probe Diameters: Metric = 6, 4.5, 3 mm

PFA coating available, visit us online

ACCURACY IEC CLASS B (±0.30°C @ 0°C)

1 m of #26 AWG stranded nickel-plated copper, fiberglass insulated and jacketed cable

PRTF-11-2-100-M60-300-12-E-GG shown smaller than actual size.

Stripped lead wires standard. Optional connectors available, visit us online.

100 Ω Sensor

To Order		
Model Number	**Lead Wire Style**	**Sheath Length**
PRTF-11-2-100-(*)-150-E-GG	3 Wire	150 mm
PRTF-11-2-100-(*)-225-E-GG	3 Wire	225 mm
PRTF-11-2-100-(*)-300-E-GG	3 Wire	300 mm
PRTF-11-2-100-(*)-450-E-GG	3 Wire	450 mm
PRTF-11-2-100-(*)-600-E-GG	3 Wire	600 mm

* Specify "-M30" for 3 mm, "-M45" for 4.5 mm or "-M60" for 6 mm for probe diameter in millimeters. To order 2-wire sensors, change "-2" to "-1" in the model number at same price. To order 4-wire sensors, change "-2" to "-3" in the model number for an additional cost. To order probes in intermediate lengths (50 mm minimum), change length in model number and use next longer probe price. For probe lengths over 600 mm, change length in model number for an additional cost per 25 mm of probe length. For cables longer than 1 m, add cable length to end of model number for an additional cost per meter. For MTP and OTP connectors, add "-MTP" or "-OTP" to model number for an additional cost. For TA3F audio connector, add "-TA3F" to model number for an additional cost.
Ordering Example: *PRTF-11-2-100-M45-150-E-GG-MTP, 100 Ω, Class "B" RTD with a 4.5 mm diameter by 150 mm long probe, 1 m of 3-wire fiberglass insulated and jacketed cable and MTP connector.*

1000 Ω Sensor

To Order		
Model Number	**Lead Wire Style**	**Sheath Length**
PRTF-11-2-1000-(*)-150-E-GG	3 Wire	150 mm
PRTF-11-2-1000-(*)-225-E-GG	3 Wire	225 mm
PRTF-11-2-1000-(*)-300-E-GG	3 Wire	300 mm
PRTF-11-2-1000-(*)-450-E-GG	3 Wire	450 mm
PRTF-11-2-1000-(*)-600-E-GG	3 Wire	600 mm

Ordering Example: *PRTF-11-2-100-M30-300-E-GG-TA3F, 1000 Ω, Class "B" RTD with 3 mm diameter probe 300 mm long, 1 m of 3-wire fiberglass insulated cable and TA3F connector.*