

# Fine Diameter $\frac{1}{16}$ " and 1.5 mm RTD Probes

## Standard and Metric Dimensions



Also Available with PFA Coating. Visit Us Online.

PR-13 and PR-17 Series, include mating connector.



- ✓ 100 Ω DIN Platinum Class "A" Per IEC 60751
- ✓ OMEGA's Platinum RTD Probes Are Available in 1.5 mm and  $\frac{1}{16}$ " Diameters for Faster Response Times

**Note:** Because of their smaller physical size, these probes are more fragile and should be handled with greater care than our larger diameter versions of the same probes. Avoid subjecting probes to bending, flexing or vibration.

Add a connector. Add suffix "-MTP" for miniature or "OTP" for standard size connector for an additional cost.

PR-16 Series utility handle probe.

PR-13 Series quick disconnect probe with standard size connector.

PR-17 Series quick disconnect probe with miniature size connector.

PR-11 Series Transition junction probe with 1 m (40") PFA insulated leads, strip end termination standard.

### Standard Dimensions—Standard Lengths 6, 12, 18, and 24"

To Order		
Model Number	Lead Style†	Ω @ 0°C
PR-11-2-100-1/16-(*)-E	2	100
PR-13-2-100-1/16-(*)-E	2	100
PR-16-2-100-1/16-(*)-E	2	100
PR-17-2-100-1/16-(*)-E	2	100

† Available in lead type 2 (3-wire) and lead type 1 (2-wire). Please contact Custom Engineering for 4-wire, type 3.

\* Specify sheath length. Minimum sheath length for any style probe is 4".  $\frac{1}{16}$ " dia RTD probes cannot be bent. For intermediate lengths, use next longer probe price. Over 24", consult Custom Engineering. Actual diameter of sheath is  $0.064" \pm 0.003"$ . Consult Sales Department for lead wire with stainless steel overbraid.

To order additional lead length on the PR-11 style probes, consult Sales Department. European curve  $\alpha = 0.00385$ .

Intermediate probe lengths are available at the price of next longer standard probe. Longer probes are available through Custom Engineering.

Ordering Example: PR-17-2-100-1/16-6-E, quick disconnect probe 6" long, lead type 2 (3-wire configuration),  $\frac{1}{16}$ " dia., 316 SS sheath.

### Metric Dimensions—Standard Lengths 150, 300, 450, and 600 mm

To Order		
Model Number	Lead Style†	Ω @ 0°C
PR-11-2-100-M15-(*)-E	2	100
PR-13-2-100-M15-(*)-E	2	100
PR-16-2-100-M15-(*)-E	2	100
PR-17-2-100-M15-(*)-E	2	100

† Available in lead type 2 (3-wire) and lead type 1 (2-wire). Please contact Custom Engineering for 4-wire, type 3.

\* Specify sheath length. Minimum sheath length for any style probe is 100 mm. 1.5 mm dia RTD probes cannot be bent. For intermediate lengths, use next longer probe price. Over 600 mm, consult Custom Engineering. Actual diameter of sheath is  $1.5 \text{ mm} \pm 0.075 \text{ mm}$ . To order additional lead length on the PR-11 style probes, consult Sales Department. European curve  $\alpha = 0.00385$ .

\*\* Intermediate probe lengths are available at the price of next longer standard probe. Longer probes are available through Custom Engineering.

Ordering Example: PR-17-2-100-M15-150-E, quick disconnect probe 150 mm long, lead type 2 (3-wire configuration), 1.5 mm dia., 316 SS sheath.

