

# Transition Joint-Style Thermistor Probes For Immersion Applications



## TJ36-44000 Series

- ✓ 316 Stainless Steel Sheath Available in 3, 4.5 and 6 mm Diameters ( $\frac{1}{8}$ ,  $\frac{3}{16}$  and  $\frac{1}{4}$ "
- ✓ 1 m (40") of 26 AWG Stranded, PFA Insulated and Jacketed Cable Standard
- ✓ Available in 5 Resistance Values and 2 Tolerances
- ✓ Max Temperature 150°C (302°F) or 75°C (167°F) Depending on Option Selected

### Standard Dimensions

**To Order Visit [omega.com/th36-44004](http://omega.com/th36-44004) for Pricing and Details**

Model Number	Resistance @ 25°C	Tolerance @ 0 to 70°C	Sheath Diameter (in)	Sheath Length (in)	Cable Length (in)	Cable Termination
TJ36-44004-1/8-12	2252 Ω	±0.2°C	$\frac{1}{8}$	12	40	Stripped
TJ36-44004-3/16-12	2252 Ω	±0.2°C	$\frac{3}{16}$	12	40	Stripped
TJ36-44004-1/4-12	2252 Ω	±0.2°C	$\frac{1}{4}$	12	40	Stripped

**Options:** Other thermistors selections are available—select from the table below, insert the thermistor number into the model number and add any additional price shown into the probe price. For sheath lengths longer than 12", change model number to length required for an additional cost. Sheath lengths from 2 to 12", no additional cost. For phone plug option, add "-PP" to the model number for an additional cost. For leads over 1 m (40"), change model number to required length for an additional cost.

**Ordering Example:** TJ36-44004-3/16-9-PP,  $\frac{3}{16}$ " diameter probe, 9" L with 44004 thermistor, 40" of leads with phone plug.

### Metric Dimensions

**To Order Visit [omega.com/th36-44004](http://omega.com/th36-44004) for Pricing and Details**

Model Number	Resistance @ 25°C	Tolerance @ 0 to 70°C	Sheath Diameter (mm)	Sheath Length (mm)	Cable Length (m)	Cable Termination
TJ36-44004-M3-300	2252 Ω	±0.2°C	3	300	1	Stripped
TJ36-44004-M4.5-300	2252 Ω	±0.2°C	4.5	300	1	Stripped
TJ36-44004-M6-300	2252 Ω	±0.2°C	6	300	1	Stripped

**Options:** Other thermistors selections are available—select from the table below, insert the thermistor number into the model number for an additional cost. For sheath lengths longer than 300 mm, change model number to length required or an additional cost. Sheath lengths from 50 to 300 mm, no additional cost. For phone plug option, add "-PP" to the model number or an additional cost. For leads over 1 m (40"), change model number to required length or an additional cost.

**Ordering Example:** TJ36-44004-M4.5-225-PP, 4.5 mm diameter probe, 225 mm long with 44004 thermistor, 1 m of leads with phone plug.

### Thermistor Selection Table

Model Number	Resistance @ 25°C	Tolerance @ 25°C	Max Temperature
44004	2252 Ω	±0.02°C	150°C (302°F)
44005	3000 Ω		
44007	5000 Ω		
44006	10000 Ω		
44008	30000 Ω		
44033	2252 Ω	±0.01°C	75°C (167°F)
44030	3000 Ω		
44034	5000 Ω		
44031	10000 Ω		
44032	30000 Ω		