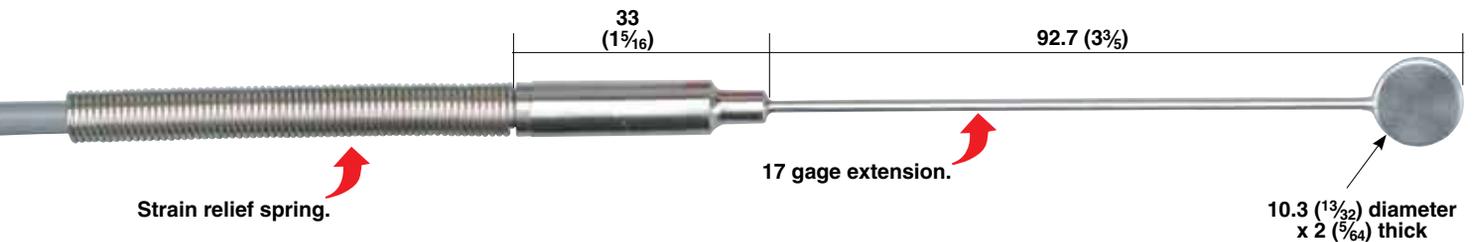


# Linear “Banjo” Thermistor Sensors

## For Surface and Immersion Temperature Measurements

Dimensions: mm (inch)



ON-708-PP shown actual size.

OL-708-PP

- ✓ Thin Design and Small Diameter Extension Cable Provides Quick Response to Temperature Changes
- ✓ Hermetic Probe End Allows for Immersion

- Into Water Baths and Fluids
- ✓ 300 Series SS Probe Housing
- ✓ 3 m (10') PVC Insulated and Jacketed Cable with Phone Plug Standard

| To Order     |                            |                         |                      |                      |
|--------------|----------------------------|-------------------------|----------------------|----------------------|
| Model Number | Sensor Type                | Thermistor Model Number | Resistance #1 @ 25°C | Resistance #2 @ 25°C |
| OL-708-PP    | Banjo style surface sensor | 44018                   | 6000 Ω               | 30000 Ω              |

### Optional Resistor Sets

| Model Number | Description  | Resistor R1 | Resistor R2 |
|--------------|--------------|-------------|-------------|
| 44301        | Resistor set | 3200 Ω      | 6250 Ω      |
| 44302        | Resistor set | 5700 Ω      | 12000 Ω     |
| 44303        | Resistor set | 18700 Ω     | 35250 Ω     |
| 44304        | Resistor set | 5700 Ω      | 12400 Ω     |

**Note:** See [omega.com](http://omega.com) for additional resistance vs. temperature information.

Add optional resistor sets shown above for linearizing the sensor output based on your specific requirements (see [omega.com](http://omega.com)).

**Ordering Example:** OL-708-PP, linear “banjo” style thermistor sensor, 3 m (10') of PVC insulated and jacketed cable and phone plug connector.

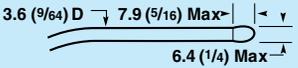
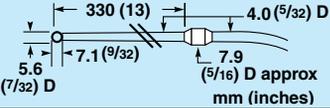
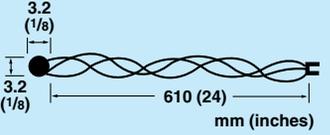
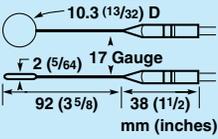
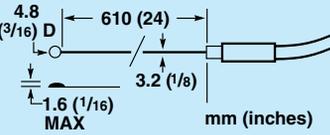
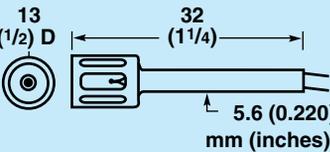
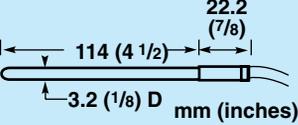
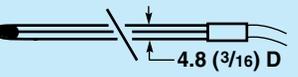
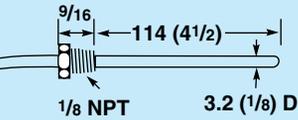
### Accessories

| Model Number | Description   |
|--------------|---|
| OB-101-1/2   | 14 g (½ oz), highly conductive room-temperature, 2-part epoxy |
| DP25-TH-A    | Thermistor input meter/controller with analog output          |
| 5831-A       | Benchtop thermistor with 10 mV/degree analog output           |

# Linear Response Probes Series 700

Series 700 Temperature Probes use the 44018 thermistor composite as the temperature sensor. On special order, probes can also be built with 44019 thermistor composite. The purpose of the Series 700

Probes is to provide a complete probe assembly for use with the circuits accepting the 44018 or 44019A thermistor composite.

| To Order  |              |   |
|---|--------------|---|
| Configuration   | Model Number | Description   |
|    | OL-701       | <b>General Purpose.</b> Used for short-term water and sub-soil readings. Most rugged. probe. Waterproof construction.   |
|    | OL-701-V     | <b>General Purpose.</b> Water resistant, soft, flexible, vinyl tipped version of above model.   |
|    | OL-702       | <b>Small Flexible.</b> Vinyl sheath and tip. Cuvette temperatures. General purpose measurement.   |
|    | OL-731       | <b>General Purpose.</b> Non-immersible, epoxy tipped probe. Can be plotted in place. Probe is suitable for temperature measurement on surfaces.                                   |
|    | OL-708       | <b>“Banjo” Surface Temperature.</b> Water bath, air surfaces temperatures. Stainless steel.   |
|  | OL-709       | <b>Attachable Surface Temperature.</b> Stainless steel cup, epoxy backed. Easy to tape on flat surfaces. Good for heat loss or compression efficiency study of piping.            |
|  | OL-729       | <b>Small Surface Temperature.</b> Cuvette, water, bath, leaf and other surfaces. 610 mm (24") PFA-covered flexible wire. Stainless steel disc with epoxy back.                    |
|  | OL-705       | <b>Air Temperature.</b> Stainless steel probe suitable for test rooms, incubators, remote air readings, monitoring of gas streams. etc. OL-706 has an economical plastic housing. |
|   | OL-706       |   |
|  | OL-703       | <b>Tubular.</b> Stainless steel probe for rugged duty. Often used for liquid immersion. Probe is immersible only to cap.  |
|  | OL-704       | <b>Tubular-Glass.</b> Chemically inert for liquid immersion use. Thermometric titration. Freezing point determination. Pyrex, 127 mm (5") long.                                   |
|  | OL-710       | <b>Tubular With Fitting.</b> Rugged, stainless steel probe with pipe fitting. Suitable for taking readings in pipes or inside closed vessels.                                     |