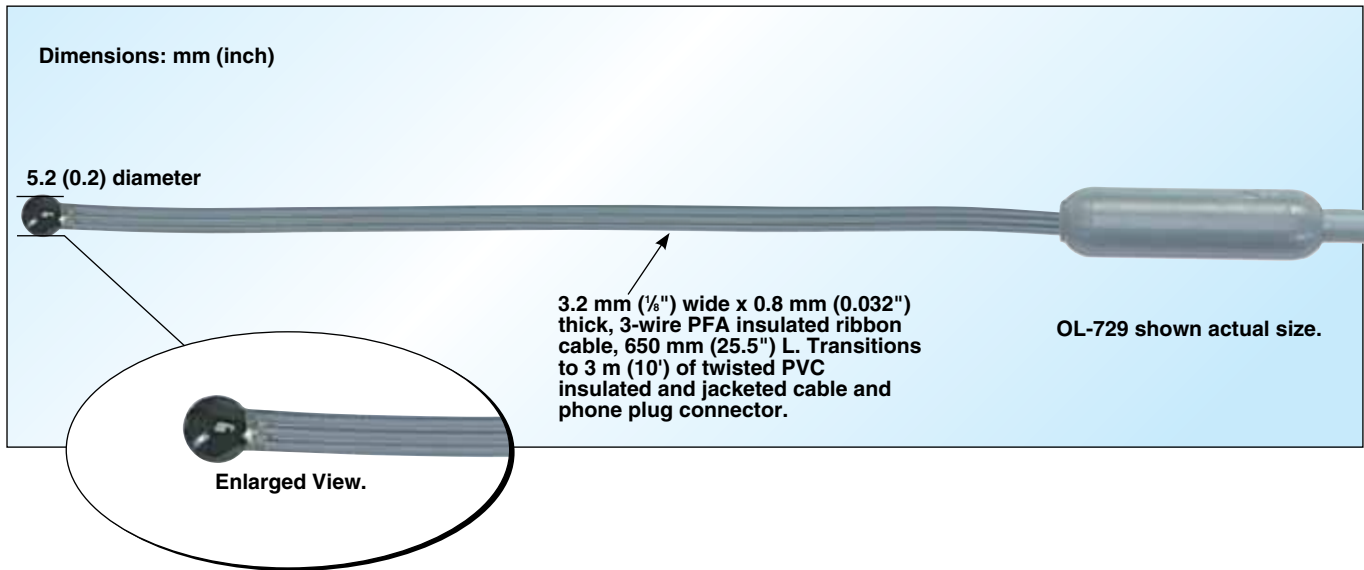


Small Surface Thermistor Sensor

For Surface and Immersion Temperature Measurements



OL-729 Series

- ✓ Small Diameter Tip Provides Quick Response to Temperature Changes
- ✓ Thin Profile Ribbon Cable From Tip Reduces Thermal Conduction Away From Tip Allowing for More Accurate Measurement of Small Places
- ✓ Sensing End Consists of a Stainless Steel Disc with Epoxy Over Thermistor and Cable

To Order				
Model Number	Sensor Type	Thermistor Model Number	Resistance #1 @ 25°C	Resistance #2 @ 25°C
OL-729	Small 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 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.

Ordering Example: OL-729, surface sensor with small diameter tip, 650 mm (25.5") long ribbon cable and 3 m (10') of vinyl insulated and jacketed cable with phone plug connector.


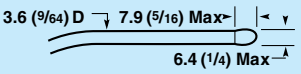
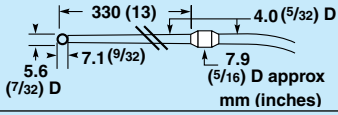
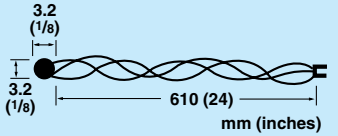
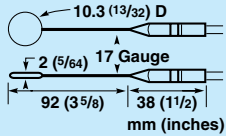
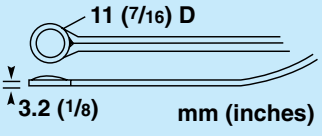
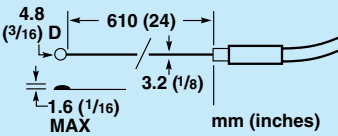
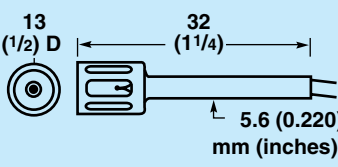
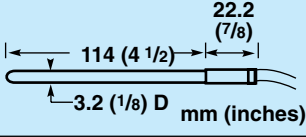
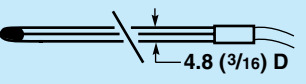
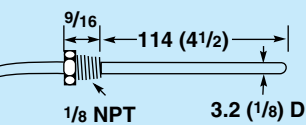
Accessories

Model Number	Description
OB-101-1/2	½ ounce, highly conductive room-temperature, 2-part epoxy
DP25-TH-A	Thermistor input meter/controller with 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	General Purpose. Used for short-term water and sub-soil readings. Most rugged. probe. Waterproof construction.
	OL-701-V	General Purpose. Water resistant, soft, flexible, vinyl tipped version of above model.
	OL-702	Small Flexible. Vinyl sheath and tip. Cuvette temperatures. General purpose measurement.
	OL-731	General Purpose. Non-immersible, epoxy tipped probe. Can be plotted in place. Probe is suitable for temperature measurement on surfaces.
	OL-708	“Banjo” Surface Temperature. Water bath, air surfaces temperatures. Stainless steel.
	OL-709	Attachable Surface Temperature. Stainless steel cup, epoxy backed. Easy to tape on flat surfaces. Good for heat loss or compression efficiency study of piping.
	OL-729	Small Surface Temperature. Cuvette, water, bath, leaf and other surfaces. 610 mm (24") PFA-covered flexible wire. Stainless steel disc with epoxy back.
	OL-705	Air Temperature. 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	Tubular. Stainless steel probe for rugged duty. Often used for liquid immersion. Probe is immersible only to cap.
	OL-704	Tubular-Glass. Chemically inert for liquid immersion use. Thermometric titration. Freezing point determination. Pyrex, 127 mm (5") long.
	OL-710	Tubular With Fitting. Rugged, stainless steel probe with pipe fitting. Suitable for taking readings in pipes or inside closed vessels.