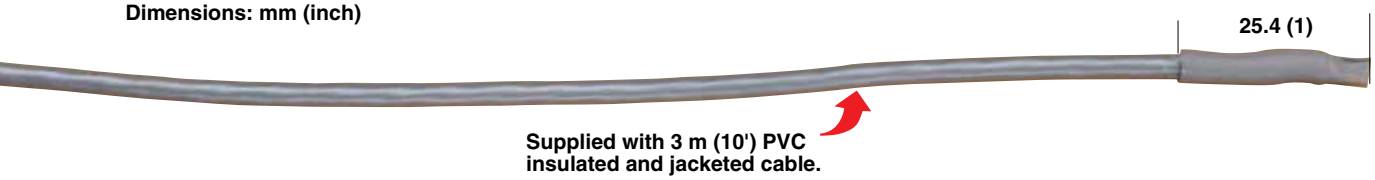
Precision Linear Thermistor Sensors

General Purpose Sensors Shown Can Be Buried for Measuring Soil Temperatures or Used in a Variety of Applications

OL-701 and OL-702 Series

- **Contain 2 Thermistor Sensors—Combined with Matching Resistor Sets They, Provide a Linear Response to Temperature (vs. the Non-Linear Response Provided By Most Thermistors)**
- **3 m (10') of PVC Insulated Cable and Phone Plug Connector Standard**
- **Temperature Range 0 to 100°C (32 to 212°F)**
- **Interchangeability ±0.15°C**

Dimensions: mm (inch)

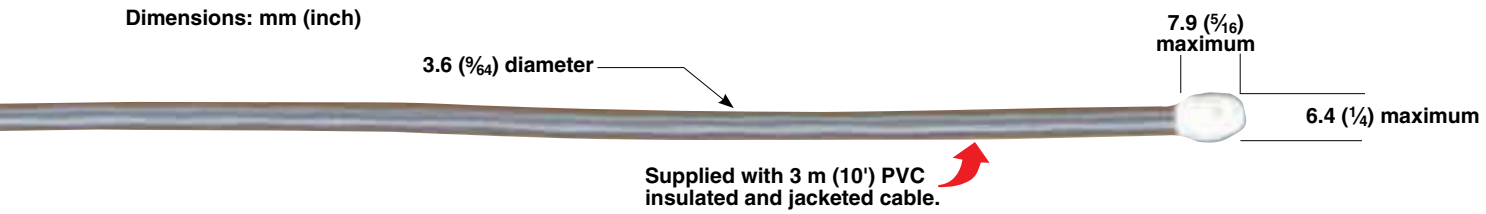


OL-701 shown actual size.

To Order

Model No.	Sensor Type	Thermistor Model Number	Resistance #1 @ 25°C	Resistance #2 @ 25°C	Termination
OL-701	Vinyl-sleeved tip	44018	6000Ω	30000Ω	Stripped leads
OL-701-PP	Vinyl-sleeved tip	44018	6000Ω	30000Ω	Phone plug

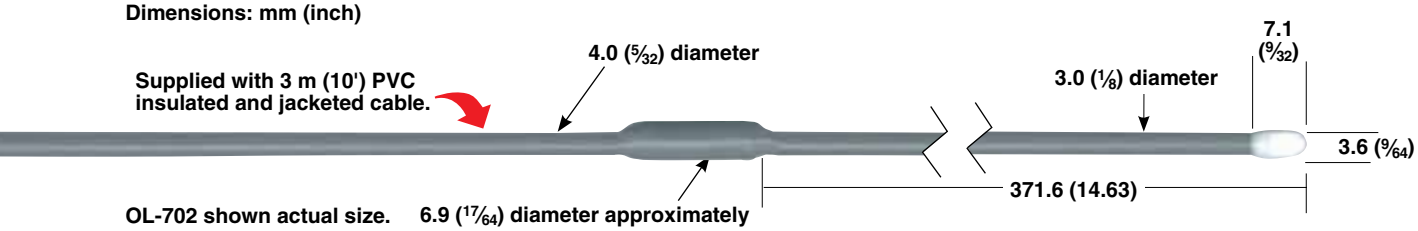
Dimensions: mm (inch)



OL-701-V shown actual size.

Model No.	Sensor Type	Thermistor Model Number	Resistance #1 @ 25°C	Resistance #2 @ 25°C
OL-701-V	Vinyl tipped	44018	6000Ω	30000Ω

Dimensions: mm (inch)



OL-702 shown actual size.

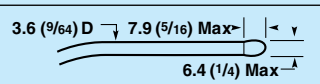
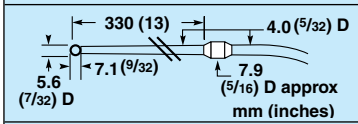
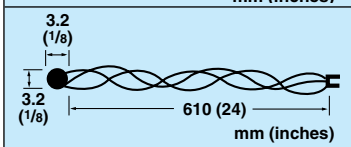
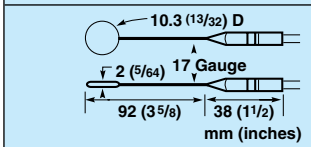
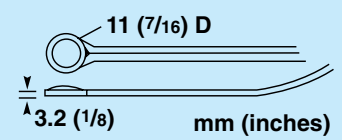
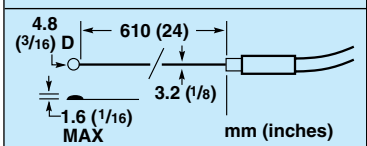
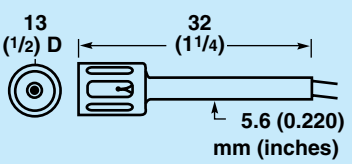
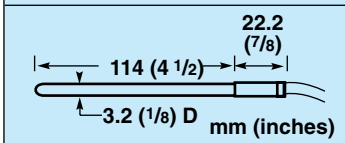
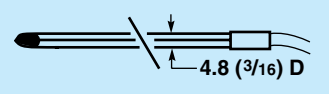
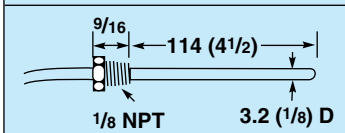
Model No.	Sensor Type	Thermistor Model Number	Resistance #1 @ 25°C	Resistance #2 @ 25°C
OL-702	Vinyl tipped	44018	6000Ω	30000Ω

Ordering Example: OL-701, *vinyl sleeved tip sensor with 44018 thermistor and 3 m (10') of PVC insulated cable.*

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 OL-706	**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-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.