Thermistor Probes
Series 700 Linear

Series 700 Linear Response probe assemblies are fitted with precision 44018 linear thermistor elements rated to 100°C (212°F). Each is supplied with 3 m (10') of vinyl covered lead wire. A three (3) conductor phone plug is standard termination. To order longer leads, place an "x" after the model number and specify length up to 76 m (250'). Additional lead lengths are available for an additional cost per 300 mm (12").

Laboratory

OL-701-PP General Purpose Water resistant. Can be buried for sub-soil readings.

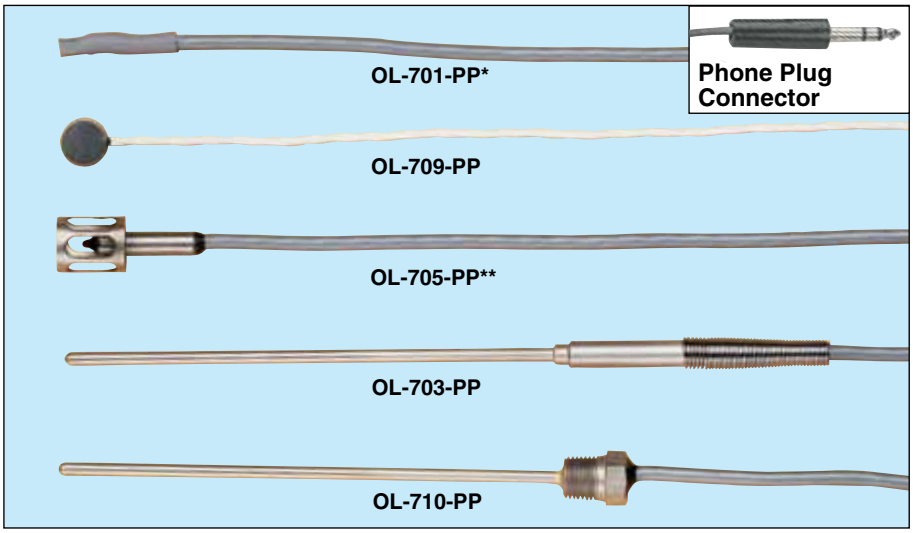
OL-709-PP Attachable Surface Temperature Stainless steel cup, epoxy backed. Easy to tape on flat surfaces.

OL-705-PP Air Temperature Stainless steel probe suitable for test rooms, incubators, remote air readings.

OL-706-PP Same as the **OL-705-PP**, but with an economical plastic housing.

OL-703-PP Tubular Stainless steel probe for rugged duty. Often used for liquid immersion. Immersible only to transition fitting.

OL-710-PP Tubular with Fitting Rugged stainless steel probe with pipe fitting. Suitable for use in pipes or closed vessels.



*Add suffix "**-V**" for vinyl tipped version

***For economical plastic version of OL-705-PP, order Model No. OL-706-PP.

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Thermistor Probes
For Use with Heavy Duty HDX Handle

THX-700 probes are designed to work with the heavy duty HDX handle. Each probe has a 3-prong OTP-copper connector termination and precision 44018 linear thermistor element, rated up to 100°C (212°F), which will work with all readout instruments designed for Series 700 probes.

Quick Disconnect

The General Purpose Probe is for general purpose gas and liquid immersion measurements. Made from a rugged 3.1 mm (⅛") OD 304 stainless steel sheath, 300 mm (12") long, it will adapt to most process applications.

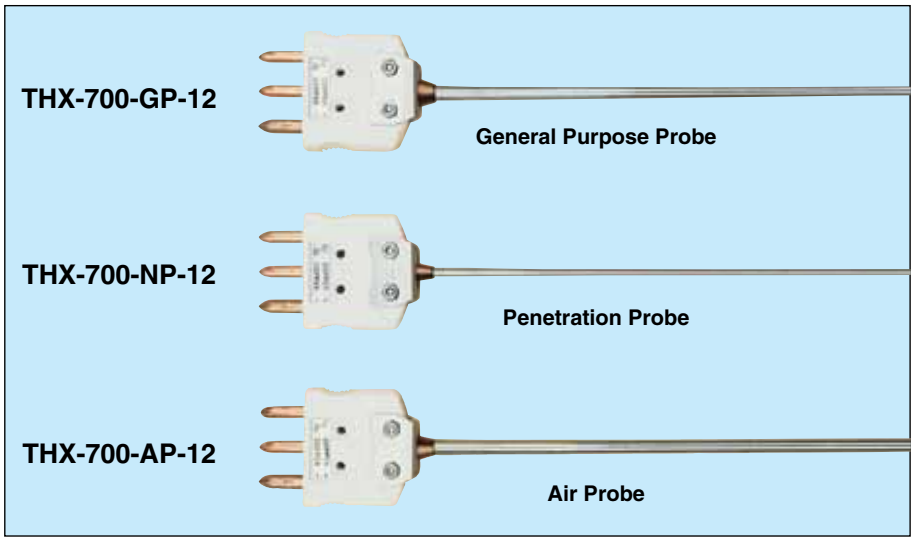
The Penetration Probe easily pierces soft and semi-frozen material as well as soil and sand. Made from a rugged 3.1 mm (⅛") OD 304 stainless steel sheath, 300 mm (12") long.

The Air Probe is for HVAC applications. The small diameter sheath and radiation hood easily fit into duct-work, grilles, and vents. The probe will work with the OMEGA® HDX handle or can be permanently mounted using OMEGALOK® compression fittings.

CUSTOM ASSEMBLIES AVAILABLE!



HDX-OTP Series Handle

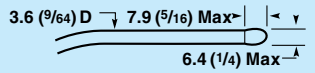
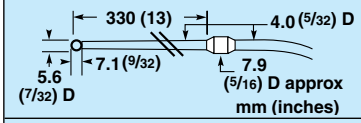
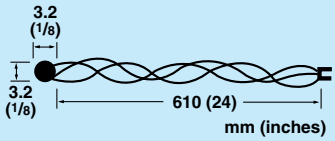
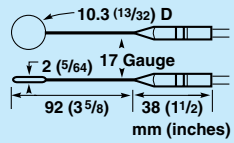
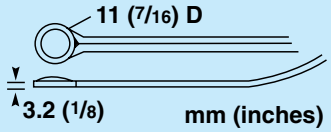
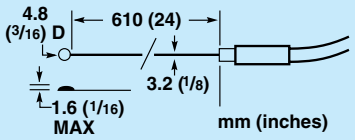
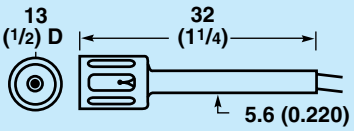
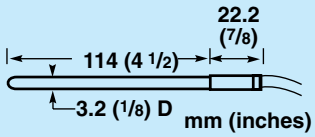
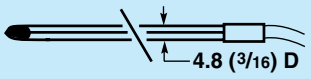
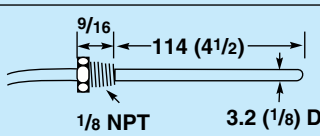


Series 700 probes are available with other elements for different ranges and in other lengths and configurations. Contact Custom Engineering for a quotation.

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.