

300 SERIES

THERMOCOUPLE TEMPERATURE PROBES

GrayWolf supplies a broad range of Chromel Alumel ('K'-type) thermocouple temperature probe configurations. Use them with GrayWolf's AdvancedSense, Zephyr and Surveyor PRO Instruments. The AdvancedSense™ includes dual K-type sockets and will additionally display differential temperature when 2 thermocouple probes are connected.

- **High Temperature** - K-type thermocouple probes can be used to measure temperatures from -80°C to $+900^{\circ}\text{C}$ (-110 to 1650°F).
- **Flexible Range** - Full complement of air, gas, immersion/penetration and surface probes for measurement over a wide range of applications.
- **Fast Response** - Thermocouple probes can be used where fast response is a primary consideration.
- **High Sensitivity** - K-type thermocouples have good voltage/temperature sensitivity (about $40\mu\text{V}/^{\circ}\text{C}$) and are reasonably stable at temperatures up to 900°C .
- **Interchangeable** - Swap different K-type probes without any need for calibration adjustments.



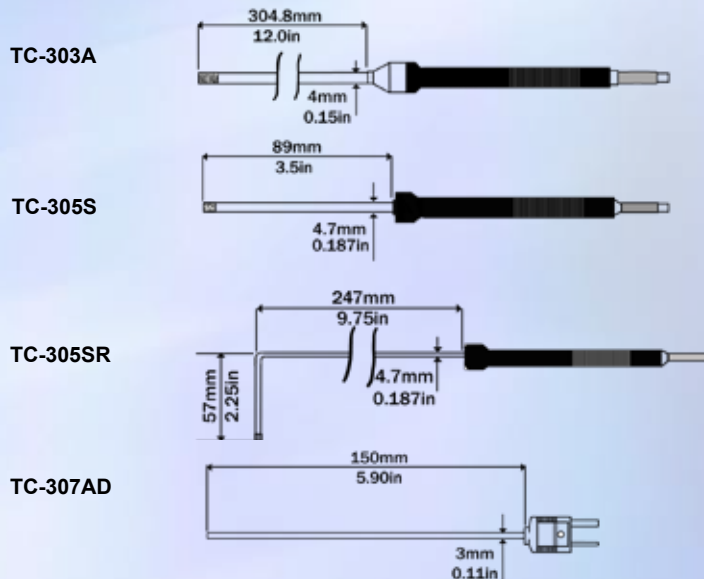
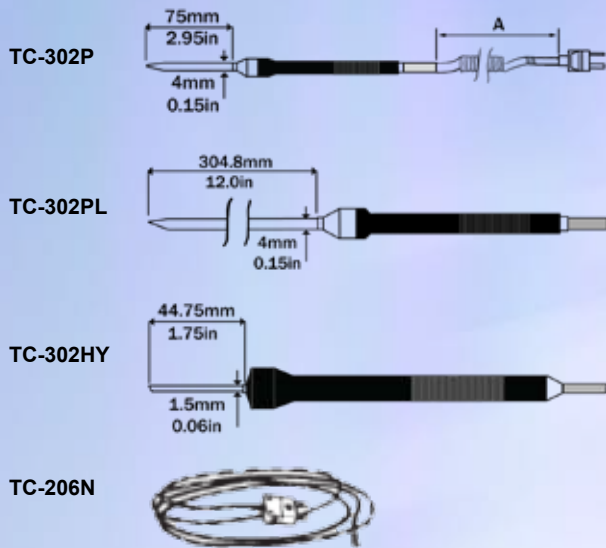
PCC-P504 Pouch



GRAYWOLF® SENSING SOLUTIONS
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The standard, coiled cable lengths (A) supplied are 60cm (24in) retracted and ~150cm (60in) extended.

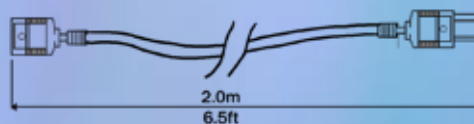
General Specifications

Probe	Temp. range	Response time (T60) secs
TC-302P Penetration/Immersion, Standard: Stainless steel sheath with pointed tip for measuring rubbers, soft materials and semi-solids.	-80 to +480°C (-110 to +900°F)	6.0 (1.0 in liquid)
TC-302PL Penetration/Immersion, Long: Stainless steel extended length sheath with pointed tip.	-80 to +500°C (-110 to +930°F)	6.0 (1.0 in liquid)
TC-302HY Penetration, Hypodermic: Stainless steel micro-sheath with pointed tip.	-80 to +205°C (-110 to +400°F)	2.0 (<1.0 in liquid)
TC-303A Air/Gas, Standard: Stainless steel sheath with perforated end makes this ideal for all refrigeration and HVAC applications. Ideal for spot-checks.	-80 to +480°C (-110 to +900°F)	3.0
TC-305S Surface, Standard and TC-305SR Surface, Right Angle: Copper disc tip is spring-loaded to ensure fast, repeatable surface measurements. Ideal for spot-checks on molds, bearings, pipes and most applications.	-80 to +815°C (-110 to +1500°F)	9.0
TC-307AD Air/Gas/Immersion, Direct Connect.	-80 to +260°C (-110 to +500°F)	2.0 (<1.0 in liquid)
TC-206N Exposed End: 1m of glass insulated cable.	-80 to +500°C (-110 to +930°F)	2.0

Note: Response times for air/gas probes in 1m/s flowing air. Response times for surface probes on smooth aluminum surface.

Contact GrayWolf regarding availability of additional specialty K-type thermocouple probes to meet your specific application. High temperature air and surface probes, and special length and diameter sheaths are available.

ACC-EX2
2m (6.5ft) Extension Cable for TC probes (custom lengths available)



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