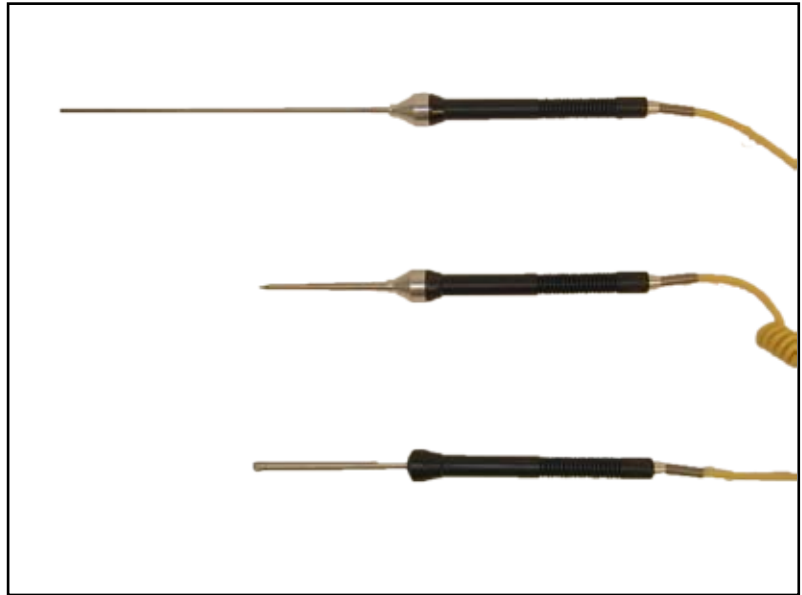
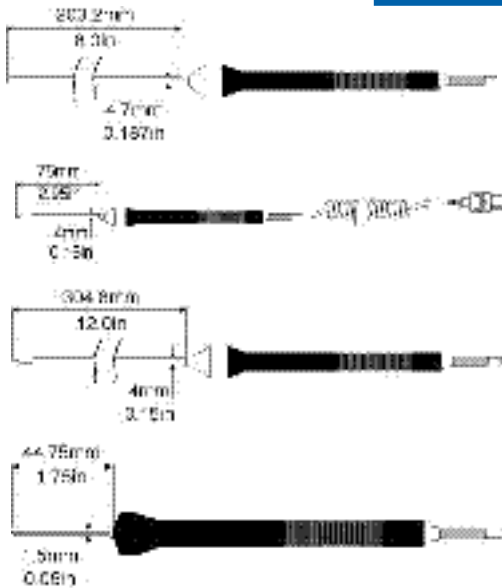


300 SERIES THERMOCOUPLE TEMPERATURE PROBES



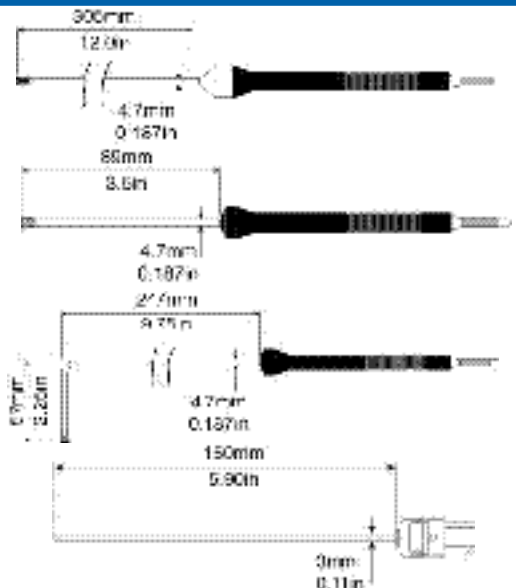
data sheet

- Use with GrayWolf's Zephyr II, Zephyr II+ and Surveyor PRO Instruments
- **High Temperature** - Chromel Alumel (type 'K') can be used to measure temperatures from -80°C to $+900^{\circ}\text{C}$.
- **Flexible Range** - Full compliment of air, gas, immersion, penetration and surface probes for measurement over a wide range of temperatures and applications.
- **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 .
- **Fast Response** - All GrayWolf thermocouple probes can be used where fast response is a primary consideration.



TC 301 I

TC 303A



TC 302 P

TC 305 S

TC 302 PL

TC 305 SR

TC 302 HY

TC 307 AD



TC 206 N

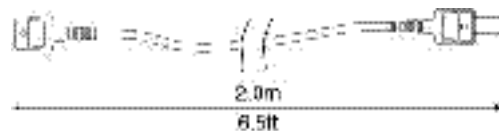
General Specifications

Probe	Temp. range	Response time (T60) secs
TC-301-I Immersion, Standard: Stainless steel sheath resists corrosion for measuring hot liquids, and viscous or granular materials.	-80 to +500°C (-110 to +930°F)	1.0
TC-302-P Penetration, 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
TC-302-PL Penetration, Long: Stainless steel extended length sheath with pointed tip.	-80 to +500°C (-110 to +930°F)	6.0
TC-302-HY Penetration, Hypodermic: Stainless steel micro-sheath with pointed tip.	-80 to +260°C (-110 to +500°F)	2.0
TC-303-A 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-305-S Surface, Standard and TC-305-SR 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-307-AD Air/Gas/Immersion, Direct Connect.	-80 to +260°C (-110 to +500°F)	2.0
TC-206-N 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 aluminium surface, for immersion probes in water.

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

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



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GrayWolf reserves the right to change specifications without notice.

GrayWolf Sensing Solutions
advanced environmental measurements
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