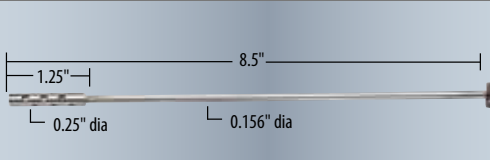
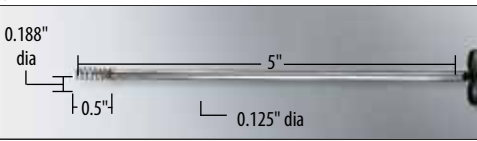


# Air/Gas Thermocouple Probes with Miniconnector End

Designed to measure the temperature in air/gas applications

Air/gas probes feature a wire coil or perforated shield to minimize error from radiated heat. Probes include handle with strain relief spring. Temperature range is for the probe only. Probes with a plastic handle have a maximum temperature of 275°F (135°C) before being affected.

Catalog No.	Type	Temperature range °F (°C)	Description		Photo/Dimensions†
General-purpose air / gas probes; 8.5"L; for general-purpose air temperature measurement. Includes 5-ft coiled cable.					
TS-08527-75	J	–310 to 1000 (–190 to 537)	Junction: exposed; isolated Time constant: 45 s at 5 m/s airflow		
TS-08526-75	K	–418 to 1000 (–250 to 537)	Response time: 225 s at 5 m/s airflow 316 SS sheath and radiation shield		
TS-08510-75	T	–418 to 1000 (–250 to 537)	Miniconnector; nylon handle		
Low-cost air/gas probes, 5"L; for general-purpose air temperature measurement. Includes 5-ft coiled cable.					
TS-08449-90	J	–310 to 572 (–190 to 300)	Junction: exposed; isolated Time constant: 45 s at 5 m/s airflow		
TS-08449-92	K	–418 to 572 (–250 to 300)	Response time: 225 s at 5 m/s airflow 304 SS sheath and SS wire coil		
TS-08449-94	T	–418 to 572 (–250 to 300)	Miniconnector; nylon handle		
TS-17011-10	NIST-traceable calibration with data				

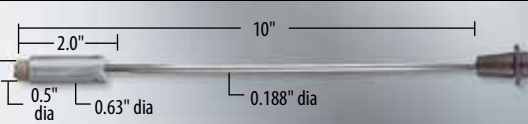
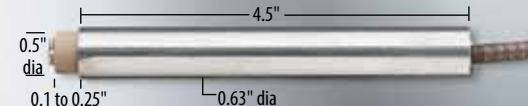
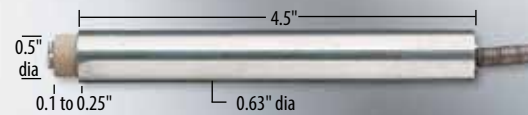
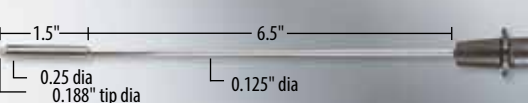
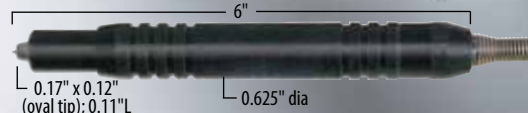
†Overall probe sheath lengths may vary up to ±0.25"

†Overall probe sheath lengths may vary up to ±0.25".

# Surface Thermocouple Probes with Miniconnector End

Designed to measure surface temperature

Probes are designed for monitoring a wide range of flat surfaces. Temperature range is for the probe only. Probes with a plastic handle have a maximum temperature of 275°F (135°C) before being affected. These probes include a handle; strain relief spring on handle protects the cable connection against damage due to repeated flexing and tugging.

Catalog No.	Type	Temperature range °F (°C)	Description		Photo/Dimensions†
<b>Standard straight probes</b> , 10"L. Use to monitor such surfaces as hot plates, furnaces, and molds. Exposed junction is isolated from 316 SS shaft and aluminum housing with ceramic support. Includes a 5-ft coiled cable.					
TS-08527-60	J	–310 to 1200 (–190 to 649)	Junction: exposed; isolated Response time: 30 sec 316 SS shaft; aluminum housing Miniconnector; nylon handle		
TS-08526-60	K	–418 to 1200 (–250 to 649)			
TS-08510-60	T	–418 to 650 (–250 to 343)			
<b>Low-cost probes</b> , 4.75"L. Exposed junction is isolated from aluminum housing with ceramic support. Includes a 5-ft coiled cable.					
TS-08449-70	J	–310 to 1200 (–190 to 649)	Junction: exposed; isolated Response time: 30 sec Aluminum housing Miniconnector		
TS-08449-72	K	–418 to 1200 (–250 to 649)			
TS-08449-74 ‡	T	–418 to 700 (–250 to 371)			
<b>Low-cost probes</b> , 4.75"L. Exposed junction is isolated from aluminum housing with ceramic support. Includes 3-ft stainless steel (SS) braid over fiberglass wire.					
TS-08529-66	J	–310 to 1200 (–190 to 649)	Junction: exposed; isolated Response time: 30 sec Aluminum housing Miniconnector		
TS-08524-66	K	–418 to 1200 (–250 to 649)			
TS-08535-66 ‡	T	–418 to 750 (–250 to 399)			
<b>Small-diameter probes</b> , 8"L. Small diameter is ideal for confined areas. Exposed junction is isolated from 316 SS shaft and housing with ceramic support. Includes a 5-ft coiled cable.					
TS-08527-62	J	–310 to 1200 (–190 to 649)	Junction: exposed; isolated Response time: 15 sec 316 SS shaft and housing Miniconnector; nylon handle		
TS-08526-62	K	–418 to 1200 (–250 to 649)			
TS-08510-62	T	–418 to 650 (–250 to 343)			
<b>Fast-response probes</b> , 6"L. Ideal for small-scale stationary applications, including electronics. Exposed junction is isolated from 304 SS shaft. Includes a 3-ft straight PVC cable.					
TS-08543-96	K	–418 to 752 (–250 to 400)	Junction: exposed; isolated Response time: 0.5 sec 304 SS tip and shaft Miniconnector; nylon handle		
<b>TS-17011-10</b>	<b>NIST-traceable calibration with data</b>				

†Overall probe sheath lengths may vary up to ±0.25".    ‡Max. error limit: ±7.9°F (±4.4°C) or ±0.4% of reading, above 32°F (0°C).

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