

# SPER SCIENTIFIC LTD. YOUR SOURCE FOR LABORATORY THERMOMETERS AND HYGROMETERS



## ADVANCED THERMOMETERS & HYGROMETERS WITH RS232 OUTPUT

These instruments serve both as portable thermocouple thermometers/hygrometers and as temperature/RH dataloggers when connected to your computer via the RS-232 port. Because they use standard thermocouple probes they can record not only air but liquid and surface temperatures as well. Features include min-max-avg, relative temperature, auto power off, and hold functions. These well made unit are exceptionally accurate for thermocouple thermometers, have fast response times, high 0.1°C&F resolution (-200 ~ 800°C) and a wide ranges. Meters have large easy to read 3 1/2 digit LCD and accept any Type K or J thermocouple probe. All models comes ready to use with carrying cases, beaded wire probes, batteries.

Datalogging models 800008/9/14 can automatically recored and store up to 16,000 (!) data points in the field which can later be downloaded to your computer. Datalogging models come with software and RS232 cables as well as the accessories listed above. Meter dim: 7 1/4" x 2 1/2" x 1 1/4" (184 x 64 x 30 mm). Weight: 7.4 oz (210 g).



Catalog No.	METERS Description	Range	Accuracy	Price
800005	Type K, J Thermometer	-200/1370°C & -328/2498°F	±0.1% rdg. +0.7°C	\$156
800006	Type K, J Thermometer Dual Channel			\$174
800008	Type K Datalogging Thermometer		±0.2% rdg. +1°C fs	\$218
800009	Type K Datalogging Thermometer Dual Channel			\$250
800014	Datalogging Thermometer / Hygrometer		-20/60°C&F 0/100%RH	0.1°C&F 0.1%RH

<b>Catalog Number</b>	<b>ACCESSORIES Description</b>	<b>Price</b>
<b>8000XXC</b>	NIST traceable certificate of compliance for any of the above meters	Add
<b>840053</b>	Data Lab Graphiical Software for models 800005/6, (included with models 800008/09/14	
<b>800001</b>	RS232 cable for models 800005/6, (included with models 800008/09/14	
<b>800003</b>	AC adaptor	
<b>840090</b>	Water Resistant Instrument Pouch. (operate the instrument inside while the probe extends outside)	
<b>840092</b>	Bench-Top Tripod (height; 6 ½" )	
<b>840093</b>	Field Tripod (height 21 ~ 57")	


## PROBES FOR TYPE K AND J THERMOCOUPLE THERMOMETERS



Cat. No.	Type	Application		
<b>IMMERSION &amp; GENERAL PURPOSE</b>				
800060	K	Small		
800080	J			
800061	K	Large		
800081	J			
800062	K	High temperature		
<b>PENETRATION</b>				
800064	K	Small		
800084	J			
800065	K	Insertion		
800066	K	Large		
800086	J			
<b>SURFACE</b>				
800073	K	Standard		
800093	J			
800070	K	Hard to access areas		
800090	J			
800071	K	Swivel head		
800091	J			
800072	K	Magnetic, for use on stationary metal surfaces.		
800092	J			
<b>AMBIENT</b>				
800076	K	Fast response in air & gas. Sheath protected element		
800096	J			
800077	K	Beaded wire for fast response in air & gas in hard to access areas.		
800097	J			



800060/800080



800061/800081



800062



800065




800066/800086




800073/800093



800070/800090



800072/800092



800071/800091



800076/800096



800077/800097