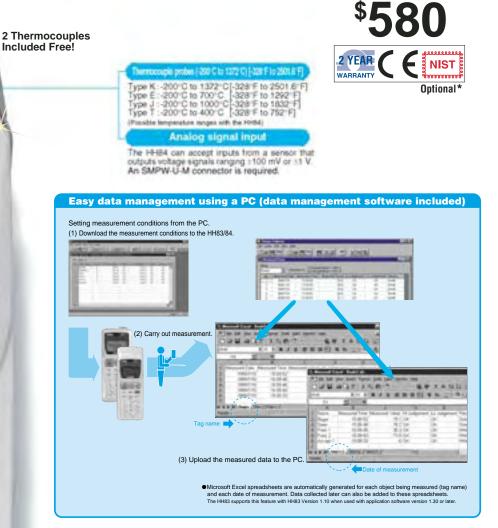
# Thermometer/Datalogger Universal Dual Thermocouple Input



HH84, \$580, shown actual size.



#### AVAILABLE FOR FAST DELIVERY!

**HH84** 

To Order (Specify Model Number)				
Model No.	Price	Description		
HH84	\$580	Thermocouple thermometer/datalogger with software and RS232 cable		
Accessories				
CAL-3-HH	\$75	NIST-traceable calibration, with points		
HH-NIST*	55	NIST-traceable calibration no points		
WPC-80	25	Spare waterproof cover		
SC-800	10	Soft carrying case with belt loop		
HH84-CABLE	77	Spare RS232C cable		

Comes with 2 Type K beaded wire thermocouples, 2 "AA" batteries, software, RS232C cable, waterproof cover and operator's manual. Ordering Example: HH84 thermometer/datalogger, **\$580.** 

# Thermometer/Datalogger Thermocouple Input Specifications

Product name (Model)			
(IVIODEI)	HH83 Thermo-collector	HH84 Thermo-collector	
	Thermistor model	Thermocouple model	
Number of measuring	1 (Selectable from 3 channels)	2 (when A and B channels are used for thermocouple or voltage input)	
channels	One channel is provided for each of the external thermistor probe, built-in thermistor sensor, and external non-contact probe.	1 (when D channel is used with the non-contact probe)	
Measuring range	External thermistor -30C to 200C [-22F to 392F]	Thermocouple Type K : -200C to 1372C [-328F to 2501.6F]	
(only the main unit)	Built-in thermistor -20C to 50C [-4F to 122F]	Type J : -200C to 1000C [-328F to 1832F]	
	Thermal emission (external probe) -20C to 400C [-4F to 752F]	Type E : -200C to 700C [-328F to 1292F] Type T : -200C to 400C [-328F to 752F]	
		Thermal emission -20C to 400C [-4F to 752F]	
		Voltage input 100 mV, 1 V	
Resolution	External thermistor: 0.1C	Thermocouple: 0.1C	
	Built-in thermistor: 0.1C	Voltage input: 0.1 mV or 0.001 V	
Accuracy	External thermistor Built-in thermistor	Thermosouple 100C T: $(0.1\%)$ of rdg $(0.2C)$	
(only the main unit)	Temperature range (T) Accuracy Temperature range (T) Accuracy	Thermocouple -100C T: (0.1% of rdg + 0.3C) T < -100C: (0.1% of rdg + 0.6C)	
(only the main unit)	-30C T < -20C 1.0C -20C T 0C 1.0C	Reference junction compensation is 0.4C when the temperature of	
	-20C T 0C 0.4C 0C T < 40C 0.8C	the input terminal is in equilibrium	
	0C < T < 100C 0.3C 40C T 50C 1.0C	Thermal emission(1% of rdg + 1C) or 3C, depending on the	
	100C T < 150C 0.4C	accuracy of the non-contact probe.	
	150C T 200C 0.7C *For the accuracy when using a non- contact probe (900 03), see the	Voltage input (0.1% of rdg + 0.2% of range)	
Measuring mode		or Logging mode	
Measuring interval	Collector mode: 1 second or longer	Collector mode: 0.5 seconds or longer when 1 channel is used.	
	Logging mode: 1 second to 24 hours	1 second or longer when 2 channels are used. Logging mode: 1 second to 24 hours when 1 channel is used.	
		2 seconds to 24 hours when 2 channels are used.	
Doto conseit:	5000 data itama whan used in collector mode sets	5000 data itama whan yeard in collector with the	
Data capacity	5000 data items when used in collector mode only.	5000 data items when used in collector mode only. 20000 data items when used in logging mode only.	
	20000 data items when used in logging mode only.	Measurement data obtained in collector mode and logging mode	
	Measurement data obtained in collector mode and logging mode	can coexist. Under simultaneous 2-channel measurement, 2 data items are	
	can coexist.	recorded at the same time.	
Drie was of a sector stimu	Oraforma ta IDE4 atau danda (duat area		
Drip-proof construction		f and drip-proof requirements of IEC529)	
Display	LCD with	n backlight	
Operating temperature and humidity	-20C to 50C, 20 to 80% RH (no condensation)	0C to 50C, 20 to 80% RH (no condensation)	
Power requirements	Two AA-size alkaline dry	batteries (LR6) (included)	
Battery life	Approx. 3 months when operated in logging mode at 10-minute intervals;	Approx. 1.5 months when operated in logging mode at 10-minute intervals;	
•	Approx. 3 months when operated in logging mode at 10-minute intervals; Approx. 1 month when operated in logging mode at 1-minute intervals;	Approx. 1 month when operated in logging mode at 1-minute intervals;	
•		Approx. 1 month when operated in logging mode at 1-minute intervals; Approx. 5 days when operated in collector mode 8 hours a day including 30	
Battery life	Approx. 1 month when operated in logging mode at 1-minute intervals; Approx. 2 weeks when operated in collector mode 8 hours a day.	Approx. 1 month when operated in logging mode at 1-minute intervals; Approx. 5 days when operated in collector mode 8 hours a day including 30 minutes of communication.	
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