

8" Type K Thermocouple Recorders

High-temperature recorders measure up to 2000°F

These compact, rugged recorders use microprocessor-based replaceable electronic sensors to record remote temperature measurements with precision accuracy. The large digital LCD is easy to read and has a resolution of 0.1°F/C. Recorders feature user-selectable temperature ranges and recording times, zero point calibration, and flip-up pen arms for easy chart and pen changes.

Each recorder comes with a 4-ft (1.2-m) flexible Type K thermocouple bead wire that is suitable for most gas, liquids, and semi-solids. Units are encased in a durable ABS enclosure for protection in harsh environments and are portable or wall mountable with the rear panel keyhole slots. Lock-out DIP switch prevents setting changes.

To monitor the 0 to 1000°F/°C and 0 to 2000°F/°C ranges, purchase the high-temperature immersion probe for use with all models.



80012-53

SPECIFICATIONS	
Range	-50 to 50°F/°C, -20 to 20°F/°C, 0 to 100°F/°C, 0 to 150°F/°C, 0 to 250°F/°C, 0 to 500°F/°C, 0 to 1000°F/°C*, 0 to 2000°F/°C*, 20 to 100 °F/°C*, 50 to 150 °F/°C*
Resolution	0.1°F/°C
Accuracy	±1.8°F (±1°C)
Display	3.5-digit LCD
Chart size	8" dia
Chart speed	(selectable) 24 hours, 7 days, or 31 days
Operating ambient temperature	32 to 122°F (0 to 50°C)
Dimensions (W x H x D)	9¼" x 9¼" x 3" (235 x 235 x 76 mm)
Power	80002-51: four AA batteries; 80002-53, -55, -56: 120 VAC, 50/60 Hz with four AA batteries for backup power
*To monitor the 0 to 1000°F/°C and 0 to 2000°F/°C ranges, purchase the 08516-06 probe for use with all models.	

What's included: 4-ft (1.2-m) type K thermocouple wire. Model KT856 includes two 4-ft (1.2-m) type K thermocouple wires, pen, 120 VAC adapter, and four AA batteries (backup power).

Catalog No.	Model No.	Description
TS-80012-51	KT8P0	General purpose recorder
TS-80012-53	KT8P2	Recorder with digital display
TS-80012-55	KT8P3	Recorder with digital display, audio/visual alarm
TS-80012-56	KT856	Recorder with digital display, audio/visual alarm, and relay contacts
Accessories		
TS-08626-06	—	High-temperature immersion probe, 316 stainless steel tip, 6" (152 mm) L
TS-08508-50	—	Replacement pen, red
TS-08508-51	—	Replacement pen, blue
TS-09386-01	—	Replacement batteries, AA, 4/pk
TS-17110-00	—	NIST-traceable calibration with data

Chart Paper (60/pk)

Range	24 hour		7 day		31 day	
	Catalog No.		Catalog No.		Catalog No.	
-50 to 50°F/°C	TS-80023-00		TS-80023-12		TS-80016-70	
0 to 100°F/°C	TS-80023-02		TS-80023-14		TS-80016-72	
0 to 250°F/°C	TS-80023-04		TS-80023-16		TS-80016-74	
0 to 500°F/°C	TS-80023-06		TS-80023-18		TS-80016-76	
0 to 1000°F/°C	TS-80023-08		TS-80023-20		—	—
0 to 2000°F/°C	TS-80023-10		TS-80023-22		—	—