8" Temperature/Humidity Recorders

Simultaneously view temperature and humidity or dew point

These rugged and compact recorders use microprocessor-based replaceable electronic sensors to record temperature and humidity measurements. Units feature " power on" light, digital display (model TH8P2), digital display with high/low alarms, and sensor probe mounted on a 10-ft (3-m) cable (models TH8P3 and TH8P5). Model TH8P5 records temperature, humidity, and dew point. In addition, the recorder features a SPST 24 V, 500 mA relay capable of shutting down a process in alarm status.

Select your own temperature range and scale; humidity or dew point scale; and 24 hour, 7 day, or 31 day rotation period (order charts below). Prevent setting changes with lock-out dip switch. Rear panel features keyhole slots for wall mounting.

80011-51

SPECIFICATIONS	
Operating ambient temperature	32 to 122°F (0 to 50°C), 0 to 95% RH (noncondensing)
Temperature accuracy	±1.8°F (±1°C)
Humidity range	0 to 95% (noncondensing)
Humidity accuracy	±2% from 0 to 60%, ±3% from 60 to 95%
Dew point range	32 to 122°F (0 to 50°C)
Dew point accuracy	30 to 95% RH, ±7.2°F (±4°C)
Chart size	8" dia
Chart speed	(selectable) 24-hour, 7-day, or 31-day
Display	3½-digit LCD, 1°F (1°C) 1% RH
Dimensions (W x H x D)	3⅛" x 9¼" x 9¼" (79 x 235 x 235 mm)
Power	120 VAC, 50/60 Hz with four AA batteries for backup power

What's included: One red pen, one blue pen, remote probe with 10-ft (3-m) cable (80001-53 and -57), 120 VAC adapter, and four AA batteries (backup power).

Catalog No.	Model No.	Description	Measurement range	Charts available
TS-80011-51	TH8P2	Recorder with digital display	32 to 120°F (0 to 50°C), and 40 to 110°F (5 to 43°C)	24 hr, 7 day, & 31 day
TS-80011-53	TH8P3	Recorder with digital display, alarms, and remote probe	–20 to 120°F (–20 to 50°C) 0 to 185°F, (–17 to 85°C), and 32 to 120°F (0 to 50°C)	24 hr, 7 day, & 31 day
TS-80011-57	TH8P5	Recorder with digital display, alarms, remote probe, and relays	–20 to 120°F, (–20 to 50°C), 40 to 110°F, (5 to 40°C), 0 to 185°F (–18 to 85°C)	24 hr, 7 day, & 31 day
Accessories				
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)

For use with:	Range	24 hour	7 day	31 day
		Catalog No.	Catalog No.	Catalog No.
80001-51	32 to 120°F	TS-80023-01	TS-80023-11	TS-80023-21
80001-51	40 to 110°F	TS-80023-05	TS-80023-15	TS-80023-23
80001-51	0 to 50°C	TS-80023-03	TS-80023-13	TS-80023-25
80001-51	5 to 43°C	TS-80023-07	TS-80023-17	TS-80023-27
80001-53, -57	–4 to 120°F	TS-80023-01	TS-80023-11	TS-80023-21
80001-53, -57	0 to 185°F	TS-80023-09	TS-80023-19	— —
80001-53, -57	40 to 110°F	TS-80023-05	TS-80023-15	TS-80023-23
80001-53, -57	–20 to 50°C	TS-80023-03	TS-80023-13	TS-80023-25
80001-53, -57	5 to 43°C	TS-80023-07	TS-80023-17	TS-80023-27