

# DICKSON TH8

REMOTE SENSING TEMPERATURE / HUMIDITY / DEW POINT RECORDER

We've taken 80 years of Instrumentation experience and used it to create a New Generation of Chart Recorders - the TH8 Line. Same 8" chart resolution with a more rugged and compact enclosure, new features, and a lower price.

## Features:

- Large 8" Chart offers 84% more readable area than a 6" Chart
- Compact and rugged Enclosure – 41% Smaller the THDx
- Large Digital Display viewable from 25'
- Display of temperature and humidity
- Dew point can be recorded and displayed
- User Selectable Temperature Ranges and Recording Times
- Audio/Visual Alarms
- Flip up pen arm for easy chart and pen changes
- Remote Temperature/RH Probe - 10' cord
- 9V battery back-up
- Probe is perfect for tight locations, clean rooms, and chambers



## Specifications:

**Temperature Ranges:** User Selectable:

**TH801:** +32 to +120°F, 0 to +50°C

**TH802:** +32 to +120°F, 0 to +50°C, +40 to +110°F, +5 to +40°C

**TH803:** -20 to +120°F, -20 to +50°C, +40 to +110°F, +5 to +40°C, 0 to +185°F

**Temperature Accuracy:** ±1.8°F (±1.0°C)

**Temperature Sensor:** Thermistor

**Humidity Range:** 0 to 100% (non-condensing)

**Humidity Accuracy:** ±2% from 0 and 60%, ±3% from 60 to 95%

**Humidity Sensor:** Digital Humidity sensor

**Dew Point Range:** -22 to +122°F (-30 to +50°C)

**Dew Point Accuracy:** 10% to 95% RH ±7.2°F, ±4°C

**Ambient Operating Conditions:** 32 to +122°F (0 to 50°C), 0 to 95% RH

**IP Rating:** IP20

**Digital Display:** LCD 3.5 digit (1" tall)

**Display Resolution:** LCD, 0.1°F (0.1°C), 0.1% RH

**Alarms:** (TH803) Audio/Visual - high and low

**Power Supply:** 120V AC adapter with a 9 "V" battery for back-up power

**Probe:** 0.5" diameter x 1.5" long on a 10' cord (1.25 cm c 4.5 cm long on a 304.8 cm cord)

**Chart Size:** 8" (20.3 cm) DIA

**Recording Time:** User selectable: 24 hour, 7 day or 31 day (31 day available on models TH802/TH803)

**Average Response Time:**

**Temperature:** 2 min for a 63% step change at 10 FPM airflow

**NOTE:** Response time is slower when using battery

**Calibration:** User calibration of all variables

**Mounting:** portable or wall mount

**Dimensions:** 9.2" x 9.2" x 3.1" (23.4 cm x 23.4 cm x 7.9 cm)

**Enclosure:** Case: ABS; Door: Polycarbonate; Dial: Aluminum

**Weight:** Approximately 4 lbs (1.8 kg) with batteries

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## Ordering Information

Order Number	Temperature Ranges	Remote Probe	Digital Display	Audio/ Visual Alarm	31 Day Recording Time
TH801	+32 to +120°F, 0 to +50°C				
TH802	+32 to 120°F, 0 to +50°C, +40 to +110°F, +5 to +40°C		✓		✓
TH803	-20 to +120°F, -20 to +50°C, +40 to +110°F, +5 to +40°C, 0 to +185°F	✓	✓	✓	✓

## Charts

For Model	Temperature Range	24 Hour Chart	7 Day Chart	31 Day Chart
TH801	+32 to 120°F	C415	C417	
TH801	0 to +50°C	C472	C473	
TH802	+32 to 120°F	C415	C417	C480
TH802	0 to +50°C	C472	C473	C482
TH802/TH803	+40 to +110°F	C476	C477	C481
TH802/TH803	+5 to +40°C	C478	C479	C483
TH803	-20 to +120°F	C415	C417	C480
TH803	0 to +185°F	C456	C436	
TH803	-20 to +50°C	C472	C473	C482

## NIST Calibrations and Accessories

Description	Order Number
NIST Traceable Calibration 3-pt. (new unit)	N300
NIST Traceable Calibration 1-pt. (new unit)	N100
A2LA Accredited Calibration 3-pt. (new unit)	N400
Pens (3 red/3 blue)	P246
Probe Dust Filter	A867
Universal International AC Adapter	R065