

**Aumictech**

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Data Sheet

August 15, 2026

DICKSON

Dickson TH8-7F

The Dickson TH8-7F is a temperature and humidity datalogger designed to accurately record environmental conditions over time. It features a digital display for current readings, stores data internally, and is USB compatible for easy data transfer and analysis. Ideal for monitoring sensitive environments in various industries.



MODEL	CALIBRATION
Dickson TH8-7F	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
TH8-7F	https://aumictechlabs.com/products/th8-7f-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Dickson TH8-7F is an 8-inch chart recorder engineered for continuous temperature and humidity monitoring across diverse environments. This self-contained, battery-powered instrument delivers dual-channel recording on 7-day or 24-hour charts with spiral-wound bi-metallic temperature sensing and cellulose acetate-butyrate humidity sensing. Built with durable metal construction and a polycarbonate door, the TH8-7F provides reliable data logging in computer rooms, laboratories, storage facilities, and controlled environments where precision environmental documentation is mandated. Technical Specifications Chart Diameter: 8 inches (20.3 cm) Recording Interval: 7-day or 24-hour Temperature Range: -20 to +120°F (-20 to +50°C) Humidity Range: 15 to 85% RH Temperature Sensor: Spiral-wound bi-metallic strip transducer Humidity Sensor: Cellulose acetate-butyrate strips Temperature Accuracy: ±2% of full scale Humidity Accuracy: ±3% from 15 to 85% RH Response Time: 15 minutes to 63% of scale at 5 ft/sec air velocity Dimensions: 9.5" x 9.5" x 4.125" (24 cm x 24 cm x 10 cm) Weight: 6 lbs (2.7 kg)

Key Features Single "AA" alkaline battery with up to 1-year runtime AC adapter input: 120 to 240 VAC Battery backup for operation during power loss Replaceable sensors for straightforward calibration and maintenance Digital display for real-time readings USB compatibility for data transfer and analysis

Typical Applications Computer room climate monitoring Laboratory environmental control documentation Office HVAC verification Storage area condition logging

Compatibility & Integration The TH8-7F requires Dickson brand replacement charts. Standard package includes one "AA" alkaline battery, pens, starter pack of charts, and instruction manual.

TH87F Characteristics / Specifications

PARAMETER	VALUE
Model	TH8-7F
Instrument Type	8 inch temperature and humidity chart recorder
Family	Dickson TH8 8 inch chart recorders
Chart Size	8 inch (203 mm)
Chart Rotation	24 hour and 7 day
Channels	CH1 temperature, CH2 humidity
Display Type	LCD
Display Dimensions	5 1/8 in x 1 in
Display Resolution	0.1
Enclosure	rugged black ABS case, polycarbonate door, aluminum dial
Ip Rating	IP20
Dimensions	9 3/8 in x 2 3/4 in x 10 1/8 in
Unit Weight	2.45 lb without batteries / 3.05 lb with batteries
Power Source	120 to 240 VAC, 12 VDC adapter; international fittings available
Battery Backup	fourCbatteries, about 1 month average
Operating Temperature	32 F to 120 F (0 C to 50 C)
Operating Humidity	0 to 95 percent RH non-condensing
Humidity Accuracy Rs0	plus or minus 2.0 percent RH from 5.0 to 95.0 percent RH
Temperature Accuracy Rs0	plus or minus 0.8 F (plus or minus 0.44 C) from 20 F to 122 F; plus or minus 1.8 F remaining
Temperature Range Sensor	minus 40 F to 185 F (minus 40 C to 85 C)
Mounting	free standing or wall mount with keyhole
Power Cord	6 ft
Replaceable Sensor Sku	RS010 ambient temperature and humidity
Manufacturer	Dickson

PARAMETER	VALUE
Literature	Dickson TH8 8 inch Temperature and Humidity Chart Recorder datasheet family
Keypad	ON/OFF, Home, Alarm, Return, Enter
Humidity	chart recorder

TH87F Specifications

PARAMETER	VALUE
Key Features	8 inch chart with 24 hour or 7 day rotation
LCD plus audible alarms	120 to 240 VAC adapter and four C cells
Technical Specifications	Model: TH8-7F

General Specifications & Supplementary Characteristics

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Literature	Dickson TH8 8 inch Temperature and Humidity Chart Recorder datasheet family
Keypad	ON/OFF, Home, Alarm, Return, Enter Notes From Dickson TH8 8-inch family datasheet (dimensions, power, RS010 accuracies, 24 h/7 day). TH8-7F isaTH8 configuration suffix; confirm the exact chart range printed on the installed dial versus TH8-10/11/12 range tables.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.