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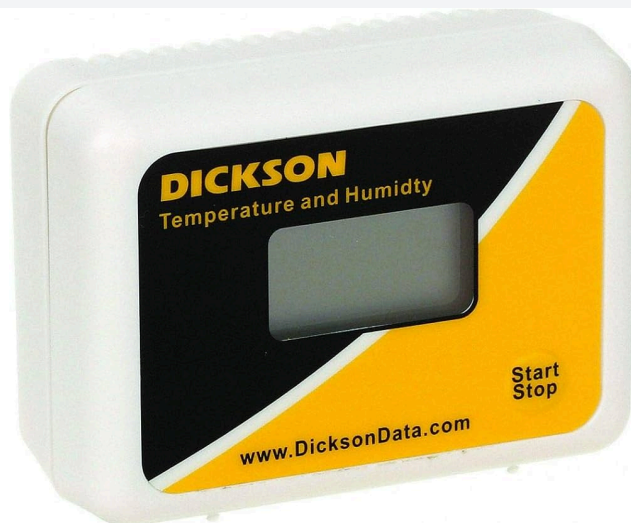
Data Sheet

August 15, 2026

DICKSON

Dickson TP425

The TP425 is a Dickson temperature chart recorder companion to TM325 in the TM/TP line. OEM Dickson TP425 listings describe temperature chart recorder SKU; probe type, chart rotation, and accuracy are on the TP425 data sheet. Used alongside TM325 for temperature paper records in rooms and processes. Do not copy THDx humidity rows onto this temperature-only SKU. Temperature circular chart recording; companion to Dickson TM325. Instrument Type: Temperature chart recorder Family: Dickson TM / TP circular recorders Temperature circular chart recording; companion to Dickson TM325. Instrument Type: Temperature chart recorder Family: Dickson TM / TP circular recorders Literature: Dickson TP425 temperature chart recorder listings



MODEL

Dickson TP425

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

TP425

LISTING

<https://aumictechlabs.com/products/tp425-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Dickson TP425 is a dual-channel data logger for temperature and humidity monitoring in controlled environments. It combines an internal digital temperature sensor with a monolithic RH IC humidity sensor, delivering $\pm 0.8^{\circ}\text{F}$ ($\pm 0.5^{\circ}\text{C}$) accuracy across the primary operating range and $\pm 1.8^{\circ}\text{F}$ ($\pm 1.0^{\circ}\text{C}$) at temperature extremes. The unit stores up to 32,512 sample points with configurable logging intervals from 1 second to 24 hours. A 2.5-digit LCD display shows real-time readings or min/max values, while push-button controls enable three start modes: no delay, button-triggered, or delayed start. Data downloads via USB to a compatible PC running

DicksonWare™ software in approximately 1 minute when memory is full. The CR123 lithium battery provides one year of typical operation and is user-replaceable in the field. Housed in a compact polycarbonate enclosure measuring 1.34" × 3.08" × 2.25", the TP425 weighs 4 oz and operates across -4°F to +158°F (-20°C to +70°C) at 0% to 95% RH non-condensing conditions.

Audio/visual alarms and indicator states (solid, scrolling, flashing, blank) provide at-a-glance logging status. Technical Specifications Temperature Range: -4°F to +158°F (-20°C to +70°C) Temperature Accuracy: ±0.8°F (±0.5°C) from +20°F to +120°F (-6°C to +48°C); ±1.8°F (±1.0°C) outside this range Humidity Range: 0% to 95% RH non-condensing Humidity Accuracy: ±2% RH at 0–60% RH; ±3% RH at 60–95% RH Resolution: 0.1°F (0.1°C), 1% RH Sample Interval: 1 second to 24 hours, configurable in 1-second increments Data Storage: 32,512 total sample points (16,256 per channel) Response Time: 10 minutes to 63% full scale (internal channel) Display: 2.5-digit LCD, 1.2" × 0.9", TN reflective, 20-second update rate Power Supply: CR123 lithium battery, user-replaceable; 1 year typical life Enclosure: Polycarbonate; IP20 rated Dimensions: 1.34" × 3.08" × 2.25" (3.4 cm × 7.8 cm × 5.7 cm) Weight: 0.45 kg (1 lb) Key Features Dual-channel independent logging with min/max tracking USB data transfer; 6-foot USB cable included Field-user calibration via SW400 software Three selectable start modes for experimental flexibility Real-time LCD display with status indicators and audio/visual alarms Compact form factor for placement in tight or space-constrained environments Compatibility & Integration The TP425 interfaces with DicksonWare™ software (minimum version 13.6) on Microsoft Windows® 98 and later systems. Required PC specifications: 486 MHz or faster processor, 16 MB RAM, one free USB root hub, CD drive, and VGA monitor or equivalent.

TP425 Characteristics / Specifications

PARAMETER	VALUE
Model	TP425
Instrument Type	Temperature chart recorder
Family	Dickson TM / TP circular recorders
Measurement	temperature
Manufacturer	Dickson
Literature	Dickson TP425 temperature chart recorder listings
System Role	temperature circular chart recorder
Sibling Tm3	Dickson TM325 temperature recorder
Related Thdx	THDx temperature/humidity/dew-point sibling
Related Th	TH8 8 inch temperature/humidity sibling
Sensor Class	thermistor/RTD per TP425 sheet
Chart Class	circular chart rotation on the TP425 sheet
Power Class	AC adapter and battery backup on the sheet
Accuracy Class	temperature accuracy on the TP425 sheet
Alarm Class	high/low alarms if equipped (sheet)
Operating Temperature Class	recorder ambient on the sheet
Form Factor	circular chart recorder housing
Brand Lineage	Dickson
Documentation Type	TP425 listing
Ate Class	temperature chart record
Host Class	standalone recorder
Year Class	TP425
Use Case	room/process temperature charts
Display Class	digital/dial per TP425 sheet
Mounting Class	benchtop or wall (sheet)

PARAMETER	VALUE
Operating temperature	Class: recorder ambient on the sheet
Humidity	sibling

TP425 Specifications

PARAMETER	VALUE
Dickson TP425 Temperature Chart Recorder	Overview
Applications	Temperature circular chart recording; companion to Dickson TM325.
Key Features	Dickson TP425 temperature chart recorder
Technical Specifications	Model: TP425

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: recorder ambient on the sheet
Operating Temperature	Class: recorder ambient on the sheet
Humidity	rows.
Operating Temperature Class	recorder ambient on the sheet
Form Factor	circular chart recorder housing
Brand Lineage	Dickson
Documentation Type	TP425 listing
Ate Class	temperature chart record
Host Class	standalone recorder
Year Class	TP425
Use Case	room/process temperature charts
Display Class	digital/dial per TP425 sheet
Mounting Class	benchtop or wall (sheet) Notes From Dickson TP425 temperature chart-recorder listings. Range, accuracy, and chart rotation are on the TP425 data sheet; do not invent them or copy TH8 humidity rows.

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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PARAMETER	VALUE
Model	TP425
Instrument Type	Temperature chart recorder
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Measurement	temperature
Manufacturer	Dickson
Literature	Dickson TP425 temperature chart recorder listings
System Role	temperature circular chart recorder
Sibling Tm325	Dickson TM325 temperature recorder
Related Thdx	THDx temperature/humidity/dew-point sibling
Related Th8	TH8 8 inch temperature/humidity sibling
Sensor Class	thermistor/RTD per TP425 sheet
Chart Class	circular chart rotation on the TP425 sheet
Power Class	AC adapter and battery backup on the sheet
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Alarm Class	high/low alarms if equipped (sheet)
Operating Temperature Class	recorder ambient on the sheet
Form Factor	circular chart recorder housing
Brand Lineage	Dickson
Documentation Type	TP425 listing
Ate Class	temperature chart record
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Notes

From Dickson TP425 temperature chart-recorder listings. Range, accuracy, and chart rotation are on the TP425 data sheet; do not invent them or copy TH8 humidity rows.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.