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Data Sheet

August 15, 2026

DICKSON

Dickson THDx Temperature, Humidity and Dew Point Chart Recorder

Dickson THDx Temperature Humidity and Dew Point Chart Recorder The Dickson THDx is a microprocessor chart recorder for temperature, humidity, and dew point with remote sensing. OEM THDx catalog/manual listings give humidity 0 to 95 percent with accuracy plus or minus 2 percent from 0 to 60 percent and plus or minus 3 percent from 60 to 95 percent, thermistor temperature accuracy plus or minus 1.8 F (plus or minus 1.0 C), dew point minus 22 to plus 122 F (minus 30 to plus 50 C), C/F and RH/dew-point switchable, audio/visual high/low alarms, 120 VAC adapter plus battery backup for slow update, standard 8 inch probe cord in the rear cradle, and chart/pen recording. The Dickson THDx is a microprocessor chart recorder for temperature, humidity, and dew point with remote sensing. OEM THDx catalog/manual listings give humidity 0 to 95 percent with accuracy plus or minus 2 percent from 0 to 60 percent and plus or minus 3 percent from 60 to 95 percent, thermistor temperature accuracy plus or minus 1.8 F (plus or minus 1.0 C), dew point minus 22 to plus 122 F (minus 30 to plus 50 C), C/F and RH/dew-point switchable, audio/visual high/low alarms, 120 VAC adapter plus battery backup for slow update, standard 8 inch probe cord in the rear cradle, and chart/pen recording. Laboratory, warehouse, and process rooms needing a paper chart of temperature, RH, and dew point with remote probe and alarm c



MODEL

Dickson THDx

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

THDx

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Dickson THDx is an 8-inch circular chart recorder engineered for continuous monitoring and archival of temperature, humidity, and dew point across critical environments. Microprocessor control and electronic sensing deliver precise, real-time data collection with dual-parameter digital display and user-selectable recording intervals of 24 hours, 7 days, or 31 days. Technical Specifications Temperature Measurement Selectable ranges: -20 to +120°F (-20 to +50°C) or +40 to +110°F (+5 to +40°C) Accuracy: $\pm 1.8^{\circ}\text{F}$ ($\pm 1.0^{\circ}\text{C}$) Sensor: Thermistor with 2.5 minute average response time at 63% full scale Humidity Measurement Range: 0 to 95% RH (non-condensing) Accuracy: $\pm 2\%$ RH (0–60% range), $\pm 3\%$ RH (60–95% range) Sensor: Monolithic IC humidity sensor or thin film capacitor Dew Point Range: -22 to +122°F (-30 to +50°C) Accuracy: $\pm 2^{\circ}\text{C}$ (95–30% RH), $\pm 4^{\circ}\text{C}$ (30–10% RH), $\pm 8^{\circ}\text{C}$ (10–5% RH), $\pm 49^{\circ}\text{C}$ (5–0% RH) Display & Recording 8 inch (20.3 cm) circular chart with selectable 24-hour, 7-day, or 31-day cycles LCD digital display: dual simultaneous parameter readout with 1°F (1°C) and 1% RH resolution Environmental Operating: 32 to +122°F (0 to 50°C), 0 to 95% RH non-condensing Power: AC adapter (120 VAC recommended) with four "D" battery backup Key Features Audio/visual alarms with independently adjustable high/low setpoints Remote sensing capability; extension cords available in 10', 50', and 100' lengths Switchable display units: $^{\circ}\text{F}/^{\circ}\text{C}$ and RH/dew point Min/max data capture for trend analysis User calibration access for all measured variables Locking control keypad and door for secure operation Standard connector interface for remote probe connectivity Typical Applications Laboratory and clean room environmental monitoring HVAC system performance validation Manufacturing process control and compliance documentation Storage facility climate verification

THDX Characteristics / Specifications

PARAMETER	VALUE
Model	THDx
Instrument Type	Temperature, humidity and dew point chart recorder
Family	Dickson THDx / TH6 / TH8 chart recorders
Humidity Range	0 to 95 percent
Humidity Accuracy	plus or minus 2 percent from 0 to 60 percent RH; plus or minus 3 percent from 60 to 95 percent RH
Temperature Sensor	thermistor
Temperature Accuracy	plus or minus 1.8 F (plus or minus 1.0 C)
Dew Point Range	minus 22 to plus 122 F (minus 30 to plus 50 C)
Display Modes	C/F and RH/dew point switchable
Alarms	audio/visual with high/low settings
Sensing	microprocessor control and electronic sensing; remote sensing capability
Probe Cord	standard 8 inch cord; probe sits in rear cradle
Power	120 VAC adapter; battery backup slows update to extend life
Chart	chart holders, hub, pen lifting bar, humidity/temperature/dew-point pens
Alarm Sound	rear alarm sound source
Ac Adapter Jack	rear jack beneath probe cradle
Manufacturer	Dickson
Literature	Dickson THDx Temperature, Humidity and Dew Point Recorder manual/catalog
System Role	circular chart environmental recorder
Related Th	Dickson TH8 8 inch temperature/humidity recorder family
Related Tm	Dickson TM325 / TP425 temperature recorders
Calibration	temperature calibrate procedure in THDx manual
Form Factor	benchtop/wall chart recorder

PARAMETER	VALUE
Probe Power	probe powered from recorder
Dip Switch Rh	dip switch 5 selects humidity versus dew point
Humidity	and dew point chart recorder

THDX Specifications

PARAMETER	VALUE
Applications	Laboratory, warehouse, and process rooms needing a paper chart of temperature, RH, and dew point with remote probe and alarm contacts.
Key Features	Temperature, humidity and dew point on one chart
Remote probe in rear cradle with 8 inch cord	Audio/visual high/low alarms

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Humidity	recorder family
Related Th	Dickson TH8 8 inch temperature/humidity recorder family
Related Tm	Dickson TM325 / TP425 temperature recorders
Calibration	temperature calibrate procedure in THDx manual
Form Factor	benchtop/wall chart recorder
Probe Power	probe powered from recorder
Dip Switch Rh	dip switch 5 selects humidity versus dew point Notes From Dickson THDx catalog/manual (RH 0-95 percent plus or minus 2/3 percent, thermistor plus or minus 1.0 C, dew point minus 30 to plus 50 C, 120 VAC). Chart size and exact rotation periods are on the installed THDx chart table; do not copy TH8-11R Replaceable Sensor numbers onto THDx.

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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Manufacturer	Dickson
Literature	Dickson THDx Temperature, Humidity and Dew Point Recorder manual/catalog
System Role	circular chart environmental recorder
Related Th8	Dickson TH8 8 inch temperature/humidity recorder family
Related Tm	Dickson TM325 / TP425 temperature recorders
Calibration	temperature calibrate procedure in THDx manual
Form Factor	benchtop/wall chart recorder
Probe Power	probe powered from recorder

PARAMETER	VALUE
Dip Switch Rh	dip switch 5 selects humidity versus dew point

Notes

From Dickson THDx catalog/manual (RH 0-95 percent plus or minus 2/3 percent, thermistor plus or minus 1.0 C, dew point minus 30 to plus 50 C, 120 VAC). Chart size and exact rotation periods are on the installed THDx chart table; do not copy TH8-11R Replaceable Sensor numbers onto THDx.

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 ·
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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.