

Circular Chart Recorders

Temperature, Humidity,
Dewpoint Recorders

CTH89 Series



Optional†

- ✓ 152 mm (6") Circular Chart
- ✓ Advanced Microprocessor Design for Reliable Operation
- ✓ Backlit LCD Alphanumeric Display
- ✓ All Functions Selectable from the Front Panel
- ✓ Battery Backup for Operation During Power Failure
- ✓ Alarm for Over and Under Temperature or Humidity
- ✓ Selectable Alarm Delay
- ✓ Audible and Visual Alarm Indication
- ✓ Probe is Field Replaceable and Calibrated with No Special Equipment
- ✓ Chart Number Displayed When Time and Temperature Ranges Are Selected
- ✓ Selectable Single or Continuous Chart Rotation

- ✓ Low Battery Warning on Display
- ✓ Fold Away Carrying Handle
- ✓ Snap-on Extra Support Legs

- ✓ Remote Sensor
- ✓ Temperature/Humidity or Dewpoint/Humidity Recording

† Refer to next page for NIST calibration ordering information.



CTH89 shown with probe (sold separately).

Don't Forget the Accessories! A Complete Selection of Charts and Replacement Pens Available.

Specifications

With Combined 18 Speed and Temperature Ranges and 4.5 m (15') Remote Probe, 115 Vac with 48-Hour Battery Back-Up

Primary Power: 115 Vac, 50/60 Hz, 3.5 W max (220 to 240 Vac, 50/60 Hz optional)

Backup Power: 8 "AA" alkaline batteries (included) for 48 hours continuous operation

Temperature Accuracy: $\pm 1^{\circ}\text{C}$ ($\pm 2^{\circ}\text{F}$)

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

Relative Humidity Accuracy: $\pm 3\%$

Dewpoint Range: 0 to 50°C (32 to 120°F)

Dewpoint Accuracy: $\pm 1^{\circ}\text{C}$ ($\pm 2^{\circ}\text{F}$)

Probe: Combined temperature/ humidity with 4.5 m (15') cable [consult sales for longer cable, 7.6 m (25') max]

Chart: 152 mm (6") circular chart (supplied with 60 assorted charts)

Chart Rotation Speeds:

User selectable: 7-day, 24-hr, 12-hr, 6-hr, 3-hr, and 1.5-hr

Chart Rotation: User selectable continuous or single turn

Chart Speed Accuracy: Better than 1%

Display: Alphanumeric backlit LCD, 16 characters x 2 lines

Temperature Alarm Range:

-30 to 50°C (-20 to 120°F)

Relative Humidity Alarm Range:

0 to 100% RH

Alarm Delay Range: User selectable, no delay, 10 min, 30 min, 1 hr, and 2 hrs

Remote Alarm Connection:

Normally open contacts 48 Vac/Vdc, 0.1 A resistive load

Mounting: Vertical or horizontal; free standing or wall mount

Dimensions: 23.5 L x 18.4 W x 7.0 cm D (9¼ x 7¼ x 2¾")

Operating Ambient Temp. Range:

0 to 49°C (32 to 120°F)

Weight: 20.1 kg (4 lb, 7 oz)



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

CTH89 Series

To Order Visit omega.com/cth-89 for Pricing and Details

Model No.	Description
CTH89	152 mm (6") circular chart temperature/humidity or dewpoint/humidity recorder 110 Vac operation
CTH89-220V	152 mm (6") circular chart temperature/humidity or dewpoint/humidity recorder 220 To 240 Vac operation
CTH89-PEN-RED	Replacement red pen
CTH89-PEN-BLUE	Replacement blue pen (humidity)
CTH89-RP	Replacement probe with 4.5 m (15") cable
CTH89C-MIX	Replacement charts (box of 60) (5 of of each range)
CTH89C-(*)	Replacement charts (box of 60) see range code below
CAL-3-HU†	NIST traceable calibration certificate for CTH89
MN1500	"AA" batteries (pack of 2)

* Insert range code from chart below.

(*) Chart Range Code	Record Time	Temperature Range
E20120F12	12-hr	-20°F to 120°F
E20120F24	24-hr	
E20120F7	7-day	
E2050F12	12-hr	-20°F to 50°F
E2050F24	24-hr	
E2050F7	7-day	
E40110F12	12-hr	+40°F to 110°F
E40110F24	24-hr	
E40110F7	7-day	
E3050C12	12-hr	-30°C to 50°C
E3050C24	24-hr	
E3050C7	7-day	
E3010C12	12-hr	-30°C to 10°C
E3010C24	24-hr	
E3010C7	7-day	
E545C12	12-hr	5°C to 45°C
E545C24	24-hr	
E545C7	7-day	

Comes complete with red and blue pens, box of 60 assorted charts, probe with 4.5 m (15') cable, batteries, AC adaptor, and operator's manual.

Recording charts (use 12-hr chart for 1.5—3 and 6-hr speeds).

Ordering Examples: CTH89 and CTH89C-E20120F12, circular chart replacement chart, 12 hr record time, -20 to 120°F range, box of 60.

OCW-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years.

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