

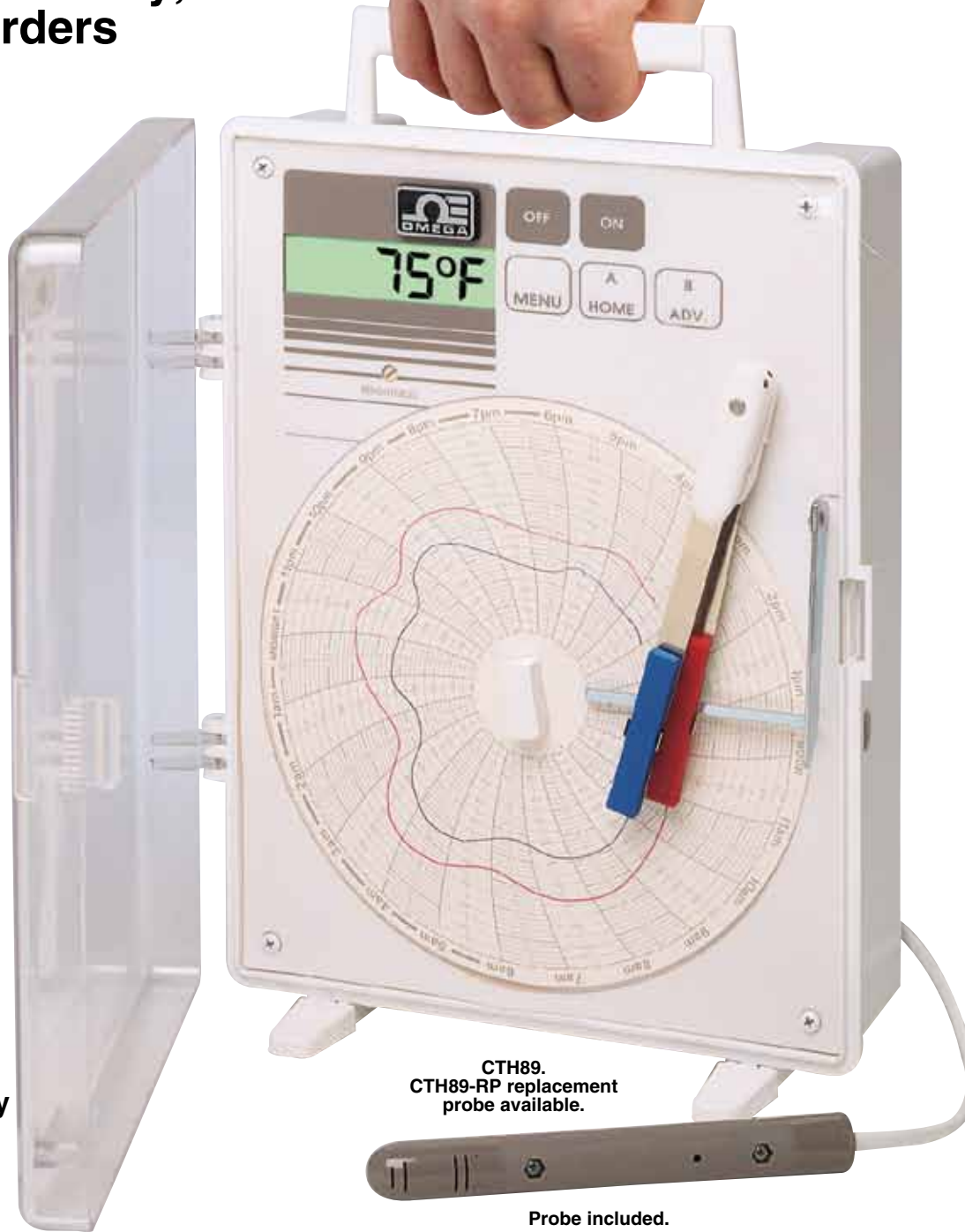
# Circular Chart Recorders

## Temperature, Humidity, Dewpoint Recorders

CTH89 Series



Optional



CTH89.  
CTH89-RP replacement  
probe available.

Probe included.

- ✓ 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

## 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

**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 H x 18.4 W x 7.0 cm D (9 $\frac{1}{4}$  x 7 $\frac{1}{4}$  x 2 $\frac{3}{4}$ " )

**Operating Ambient Temp. Range:**

0 to 49°C (32 to 120°F)

**Weight:** 20.1 kg (4 lb, 7 oz)

**Don't Forget the Accessories! Please Refer to the Ordering Table for a Complete Selection of Charts and Replacement Pens.**

## CTH89 Series

**To Order Visit [omega.com/cth-89](http://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 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 to 120°F
E20120F24	24-hr	
E20120F7	7-day	
E2050F12	12-hr	-20 to 50°F
E2050F24	24-hr	
E2050F7	7-day	
E40110F12	12-hr	40 to 110°F
E40110F24	24-hr	
E40110F7	7-day	
E3050C12	12-hr	-30 to 50°C
E3050C24	24-hr	
E3050C7	7-day	
E3010C12	12-hr	-30 to 10°C
E3010C24	24-hr	
E3010C7	7-day	
E545C12	12-hr	5 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, 8 "AA" batteries, AC adaptor, and operator's manual.

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

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

OCW-3, OMEGACARE<sup>SM</sup> extends standard 1-year warranty to a total of 4 year.



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