

Circular Chart Recorder

CT87 Series
Starts at
\$294



- ✓ Easy-to-Read 152 mm (6") Circular Chart
- ✓ Type J Thermocouple Input
- ✓ Economical
- ✓ LED Digital Display of Temperature
- ✓ Front Panel Controls for Fast, Easy Setup
- ✓ Select From 3 Temperature Ranges
- ✓ 6-Hour, 24-Hour, or 7 Day Chart Rotation
- ✓ Select for Single or Continuous Chart Rotation
- ✓ Free Standing or Wall Mounted
- ✓ Fold Down Carrying Handle
- ✓ Durable Polycarbonate Case
- ✓ Plug-In SMP Connection for J Thermocouple
- ✓ Adaptor for 120 Vac Operation (220 Vac Optional)
- ✓ Battery Back-Up for Power Interruptions

CT87LF or CT87LC

- ✓ Low Temperature Recorders
- ✓ Typical Temperature Measurement Applications
- ✓ Freezers
- ✓ Refrigerators
- ✓ Environmental Chambers
- ✓ Room Temperatures

CT87LC Ranges

- ✓ -40 to 0°C, -30 to 10°C, and 10 to 50°C

CT87LF Ranges

- ✓ -40 to 30°F, -20 to 50°F, and 50 to 120°F
- ✓ Comes with 4" L, 1/8" Dia., 304 SS Needle Tip Probe with 15' Leads



CT87LF low temperature recorder, \$294, with CT87-J-NP probe (included with the CT87L models), shown smaller than actual size.

CT87HF or CT87HC

- ✓ High Temperature Recorders for Higher Temperature Measurement Applications
- ✓ Ovens
- ✓ Process Chambers

CT87HC Ranges

- ✓ 0 to 120°C, 0 to 250°C, and 250 to 500°C

CT87HF Ranges

- ✓ 0 to 250°F, 0 to 500°F, and 500 to 1000°F
- ✓ Comes with 6' L 24 Gage Glass Insulated Thermocouple

The CT87 Series temperature recorder is a precision instrument used to monitor and record temperature on a 152 mm (6") circular chart. The CT87 may be carried as a portable instrument or mounted in a fixed location. The CT87 offers a variety of features to meet any temperature recording requirement. A combination of 3 temperature ranges and 3 chart speeds provides a high degree of flexibility. In addition, the chart rotation may be set for single or continuous turn operation as required by a particular application. To protect the data being recorded, the CT87 uses an automatic battery backup to maintain operation during a power outage.

Specifications

Temperature Scale Selectable:

- Low Temp °F:** -40 to 30,
-20 to 50, 50 to 120
- Low Temp °C:** -40 to 0,
-30 to 10, 10 to 50
- High Temp °F:** 0 to 250,
0 to 500, 500 to 1000
- High Temp °C:** 0 to 120,
0 to 250, 250 to 500

Ambient Operating Temp:

0 to 49°C (32 to 120°F)

Relative Humidity:

0 to 96%

Accuracy: ±1°C (±2°F)

Chart Diameter:

152 mm (6")

Chart Speed Selectable:

6-hr, 24-hr, 7 days

Chart Rotation Selectable:

Single turn, continuous

Chart Speed Accuracy:

±1%

Display:

3 digit LED 13 mm (0.5")

Recording Pen:

Ink type

Case Size:

235 x 184 x 70 mm
(9 1/4 x 7 1/4 x 2 3/4")

Weight:

2.2 kg (4 lb, 7 oz)

Battery Back-Up Life:

48-hr,
8 "AA" alkaline batteries (included)

Primary Power:

115 Vac, 50/60 Hz or
220 Vac, 50/60 Hz

Temperature Probe:

Low Temp Recorder:

CT87-J-NP (needle probe)

High Temp Recorder:

TC-GG-J-24-72-SMP-M-PP



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Voltage	Ranges
CT87LF	\$294	110	-40 to 30°F, -20 to 50°F and 50 to 120°F
CT87LF-220	304	220	
CT87LC	304	110	-40 to 0°C, -30 to 10°C and 10 to 50°C
CT87LC-220	315	220	
CT87HF	325	110	0 to 250°F, 0 to 500°F and 500 to 1000°F
CT87HF-220	336	220	
CT87HC	336	110	0 to 120°C, 0 to 250°C and 250 to 500°C
CT87HC-220	346	220	

Comes complete with 1 package assorted charts, 2 pens, AC adaptor, Type J thermocouple, 8 "AA" batteries and operator's manual.

CT87L also comes with CT87-J-NP probe. CT87H also comes with TC-GG-J-24-72-SMP-M beaded wire thermocouple probe.

Ordering Examples: CT87HC, 110V circular chart recorder with beaded wire probe included, \$336.

OCW-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years (\$84), \$336 + 84 = \$420.

Accessories

Model No.	Price	Description
CT87-PEN-BLACK	\$8.50	Replacement pen
CT87-J-NP	21.75	Low temp replacement probe, 4" L, 1/8" Dia, 304 SS needle probe, 15' leads
TC-GG-J-24-72-SMP-M-PP	15	High temp replacement sensor, 6' L, 24 gage glass insulated "J" thermocouple

Note: Many other "J" type probes are available (contact Sales). Please see section A.

CT87LF low temperature model, \$294, with CT87-J-NP probe (included with the CT87L models), shown smaller than actual size.



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

Replacement Charts

\$19.25/box of 60

Charts	Temperature
CT87C--40-30F/(*)	-40 to 30°F
CT87C--40-0C/(*)	-40 to 0°C
CT87C--20-50F/(*)	-20 to 50°F
CT87C--30-10C/(*)	-30 to 10°C
CT87C-50-120F/(*)	50 to 120°F
CT87C-10-50C/(*)	10 to 50°C
CT87C-L(**)-MIX	60 assorted charts
CT87C-0-250F/(*)	0 to 250°F
CT87C-0-120C/(*)	0 to 120°C
CT87C-0-500F/(*)	0 to 500°F
CT87C-0-250C/(*)	0 to 250°C
CT87C-500-1000F/(*)	500 to 1000°F
CT87C-250-500C/(*)	250 to 500°C
CT87C-H(**)-MIX	—

* Insert "24H" for 24-hour chart, "6H" for 6-hour, or "7D" for 7 days.

** Insert either F or C for an assortment of 60 charts.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
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0800-8266342

UNITED KINGDOM

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Manchester, England
0800-488-488

FRANCE

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088-466-342

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596-311-899

BENELUX

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More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters