

Event Recorders

CT87E Series



- ✓ 152 mm (6") Chart With 0.5" LED
- ✓ 4 Voltage/Current or 3 Event Modes
- ✓ Volt, Light and Sound Sensors Included
- ✓ 4 Recording Speeds
- ✓ All Front Panel Selectable
- ✓ Single or Continuous Chart Rotation
- ✓ Free Standing or Wall Mount

The CT87V is a precision instrument used to monitor and record voltage or current on a 152 mm (6") circular paper chart. A 3-digit LED displays the value. The CT87E is a highly versatile instrument, accurately records voltage, light or sound events. LED display can read length of events, time between events or total number of events. Battery backup assures normal operation during power interruptions. The unit can also be run from any 12 Vdc source (auto or marine).

Specifications

CT87V Model Range (Accuracy):

0 to 5.00 (± 0.01 V); 0 to 100 mV (± 1 mV)
0 to 20.0 mA (± 0.1 mA), 4 to 20.0 mA (± 0.1 mA)

CT87E Model Event Probes:

- a) **Volt:** 2 wire clip leads for 24 to 270 Vac (50/60 Hz) or 24 to 180 Vdc
- b) **Light:** A sensitive photo cell for 18 to 1900 lux $\pm 20\%$
- c) **Sound:** A sensitive audio transducer for 40 to 114 dB @ 1 kHz $\pm 20\%$ thresholds

Chart Speed Selectable:

6-hr, 24-hr, 7-day, 31-day



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.



CT87E CT87V appearance is similar, except offers a 4 position range switch.

Chart Rotation Mode: Selectable, single turn or continuous

Chart Speed Accuracy: $\pm 1\%$

Chart Diameter: 152 mm (6")

Display: 3-digit 13 mm (0.5") LED to display event interval in minutes, length of the event in minutes, and/or total number of events for CT87E or voltage/current value for CT87V

Ambient Operating Temperature: 0 to 60°C (32 to 140°F)

Ambient Operating Relative Humidity: 96% maximum

Primary Power Supply:

120 Vac, 50/60 Hz (220 to 240 Vac, 50/60 Hz optional)

Battery Backup: 8 "AA" alkaline batteries (included)

Battery Life: 48-hr continuous use

Recording Pen: Ink type

Case Size: 235 H x 184 W x 70 mm D (9 1/4 x 7 1/4 x 2 3/4")

Weight: 2.13 kg (4 lb, 7 oz)

Case Material: Polycarbonate

To Order	
Model No.	Description
CT87V	Circular voltage/current recorder
CT87V-230	Circular voltage/current recorder, 230 Vac
CT87E	Circular event recorder
CT87E-230	Circular event recorder, 230 Vac
CT87EV-RP	Replacement voltage sensor
CT87EL-RP	Replacement light sensor
CT87ES-RP	Replacement sound sensor
CT87-PEN-BLACK	Replacement pen
CT87V-C-(*)	Charts (60 pcs) for CT87V
CT87C-(*)	Charts (60 pcs) for CT87E
MN1500	Spare "AA" batteries (pack of 2)

* Insert chart rotation code: "6H" for 6 hours, "24H" for 24 hours, "7D" for 7 days, or "31D" for 31-days. Each unit supplied with 8 "AA" alkaline batteries, AC adaptor, 2 pens, 60 assorted charts, and operator's manual. CT87E also includes 3 sensors (volt, light, and sound).

Ordering Examples: CT87E, 152 mm (6") circular event recorder.

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