

Tough Digital Clamp Meters

**TOUGH
METER**

**True RMS
Measurement
Technology**



Included:

- Carrying case
- Test leads with CAT III/CAT IV safety caps
- Thermocouple with adapter (temperature-measuring models only)
- Batteries



- CAT IV 600V, CAT III 1000V, Class 2, Double insulation safety rating
- Built to withstand a 6.6 ft. (2 m) drop
- Meets requirements for use in basic and controlled electromagnetic environments like residential, office and light-industrial locations

- The **CL600** is an auto-ranging TRMS digital clamp meter that measures AC current via the clamp, and measures AC/DC voltage, resistance, continuity, and tests diodes via test leads
- The **CL700** is an auto-ranging TRMS digital clamp meter that measures AC current via the clamp, and measures AC/DC voltage, resistance, continuity, frequency, capacitance, and tests diodes via test leads, and temperature via a thermocouple probe. It also features a Low Impedance (LoZ) mode for identifying and eliminating ghost or stray voltages
- The **CL800** is an auto-ranging TRMS digital clamp meter that measures AC/DC current via the clamp, and measures AC/DC voltage, resistance, continuity, frequency, capacitance, and tests diodes via test leads, and temperature via a thermocouple probe. It also features a Low Impedance (LoZ) mode for identifying and eliminating ghost or stray voltages



Features	CL600	CL700	CL800
Drop Protection	6.6 ft. (2 m)	6.6 ft. (2 m)	6.6 ft. (2 m)
Ingress Protection	IP40	IP40	IP40
Safety	CAT IV 600V	CAT IV 600V	CAT IV 600V
AC Voltage (Volts)	1000V	1000V	1000V
DC Voltage (Volts)	1000V	1000V	1000V
AC Current (Amps)	600A	600A	600A
DC Current (Amps)	—	—	600A
Ohms (Resistance)	60MΩ	60MΩ	60MΩ
AC Millivolts	—	—	—
DC Millivolts	•	•	•
True RMS	•	•	•
Audible Continuity	•	•	•
Backlight	•	•	•
Temperature	—	-14° – 1000°F (-26° – 538°C)	-14° – 1000°F (-26° – 538°C)
Low Impedance	—	•	•
Non-Contact Voltage Testing	•	•	•
Auto Ranging	•	•	•
Range Hold	•	•	•
Data Hold	•	•	•
Diode Test	•	•	•
Capacitance Test	—	6000 μF	6000 μF
Frequency / Duty Cycle	—	1Hz – 500 KHz	1Hz – 500 KHz
Max / Min	•	•	•
Magnetic Mount	Available As Accessory	Available As Accessory	Available As Accessory
Worklight	—	—	•
Auto-Power Off	•	•	•
LCD Display Count	6000	6000	6000



Clamp Meters

Clamp Meter Specifications

Cat. No.	Safety Rating	Batteries	Jaw Size	Height	Width	Depth	Weight	Included Accessories
CL110	CAT III 600V	3 x AAA	1-1/8" (28.6 mm)	8-45/64" (221.1 mm)	3-1/64" (76.6 mm)	1-39/64" (40.9 mm)	10.1 oz. (286 g)	Carrying Case, 41" (1041.4 mm) Test Leads and Batteries
CL210	CAT III 600V	3 x AAA	1-1/8" (28.6 mm)	8-45/64" (221.1 mm)	3-1/64" (76.6 mm)	1-39/64" (40.9 mm)	10.1 oz. (286 g)	Carrying Case, 41" (1041.4 mm) Test Leads, Thermocouple with Adapter, and Batteries
CL310	CAT III 600V	3 x AAA	1-1/8" (28.6 mm)	8-45/64" (221.1 mm)	3-1/64" (76.6 mm)	1-39/64" (40.9 mm)	10.1 oz. (286 g)	Carrying Case, 41" (1041.4 mm) Test Leads, Thermocouple with Adapter, and Batteries
CL330 NEW!	CAT III 600V, Class 2, Double insulation	3 x AAA	1-1/8" (28.6 mm)	8-21/32" (219.9 mm)	3-1/32" (77.0 mm)	1-39/64" (40.9 mm)	9.9 oz. (281 g)	Pouch, 41" (1041.4 mm) Test Leads, Thermocouple, and Batteries
CL600	CAT IV 600V	2 x AAA	1-3/8" (34.9 mm)	9-3/32" (231.0 mm)	3-13/16" (96.8 mm)	1-35/64" (39.3 mm)	11.8 oz. (335 g)	Carrying Case, 41" (1041.4 mm) Test Leads and Batteries
CL700	CAT IV 600V	2 x AAA	1-3/8" (34.9 mm)	9-3/32" (231.0 mm)	3-13/16" (96.8 mm)	1-35/64" (39.3 mm)	11.8 oz. (335 g)	Carrying Case, Test Leads, Thermocouple with Adapter, and Batteries
CL800	CAT IV 600V	2 x AAA	1-3/8" (34.9 mm)	9-3/32" (231.0 mm)	3-13/16" (96.8 mm)	1-35/64" (39.3 mm)	12.5 oz. (354 g)	Carrying Case, 41" (1041.4 mm) Test Leads, Thermocouple with Adapter, and Batteries

Electrical Maintenance & Test Kit

- Cat. No. RT210 detects the most common wiring problems in standard and GFCI receptacles including open ground, reverse polarity, open hot, open neutral, and hot/ground reversed
- Cat. No. 69409 Line splitter 10x allows the measuring of current draw up to 15A without splitting the load's power cord
- Cat. No. CL110 has CAT III 600V, Class 2, Double insulation safety rating and features a backlit display for clear readings
- RT210 withstands a 6.6 ft. (2 m)
- Includes a carrying case, test leads and batteries



Cat. No.	Kit Contains	Weight
CL110KIT		15.1 oz. (428 g)

Cat. No.	Batteries	Height	Width	Depth
CL110	3 x AAA	8-45/64" (221.1 mm)	3-1/64" (76.6 mm)	1-39/64" (40.9 mm)
RT210	N/A	2-7/8" (73.0 mm)	1-7/8" (47.6 mm)	1-5/8" (41.3 mm)
69409	N/A	4-43/64" (118.7 mm)	2-9/32" (57.9 mm)	1" (25.4 mm)

For additional specifications see individual product pages
(CL110 - page 207, RT210 - page 215, 69409 - page 219).



CL110KIT

⚠️ WARNINGS:

To ensure safe operation and service of the tester, follow these instructions. Failure to observe these warnings can result in severe injury or death.

- Before each use, verify meter operation by measuring a known voltage or current.
- Never use the meter on a circuit with voltages that exceed the category based rating of this meter.
- Do not use the meter during electrical storms or in wet weather.
- Do not use the meter or test leads if they appear to be damaged.
- Ensure meter leads are fully seated, and keep fingers away from the metal probe contacts when making measurements.
- Do not open the meter to replace batteries while the probes are connected.
- Use caution when working with voltages above 60V DC, or 25V AC RMS. Such voltages pose a shock hazard.
- To avoid false readings that can lead to electrical shock, replace batteries if a low battery indicator appears.
- Unless measuring voltage or current, shut off and lock out power before measuring resistance or capacitance.
- Always adhere to local and national safety codes. Use individual protective equipment to prevent shock and arc blast injury where hazardous live conductors are exposed.