

TEST & MEASUREMENT

Tested Tough.

Trusted Safe.



**KLEIN
TOOLS**



For Professionals... Since 1857™

Klein Tools has been manufacturing professional hand tools for almost 160 years. The company remains committed to providing the best hand tools in the industry while supporting electricians and professional tradespeople around the world with quality and reliability they can trust.

Tested Tough! Our products stand up to the demands of the professionals who use them every day, delivering all the performance, durability and precision needed to get the job done right, the first time, every time! Klein's new meters and electrical testers are packed with capabilities and functionality:

- Designed **TOUGH** to withstand jobsite drops and rough conditions
- Easy-to-use dials and buttons
- Large, bright, evenly backlit displays
- Molded-in test lead holders
- Comfortable, compact over-molded housing that's easy to hold

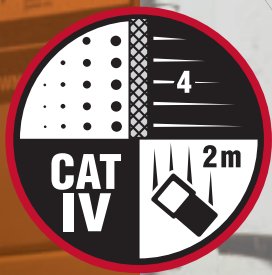
The new Test & Measurement line offers a variety of additional products including 10x Line Splitters, Outlet Testers, Non-Contact Voltage Testers, and optional accessories (such as carrying pouches, magnetic hangers, replacement leads), completing a product line that will exceed expectations on the most demanding jobsites for years to come.

Trusted Safe! These new digital clamp and multimeters boast capabilities that are specifically aligned with customers' expanding jobsite needs and expectations. These products were designed to meet CAT III or CAT IV requirements, as defined by IEC 61010 (3rd edition) standards. To the professional electrician and electrical technician, Klein knows that nothing is more important than safety. And that's why Klein has been **the #1 choice of electricians since 1857.**

Tested Tough.
Trusted Safe.

KLEIN® TEST & MEASUREMENT

TOUGH METER CLAMP METERS



TOUGH METER



True RMS Measurement Technology



Non-contact voltage testing sensor

Test lead holder

Clamp trigger

Function selector switch

Function buttons

LCD display

The **CL600** is an auto-ranging True Root-Mean-Squared (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 True Root-Mean-Squared (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 True Root-Mean-Squared (TRMS) digital clamp meter that measures AC/DC current via the clamp, 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 CL600, CL700 and CL800 each include a nylon carrying pouch, test leads and batteries. The CL700 and CL800 also include a thermocouple with adapter.

CL800 Shown

Test lead input jacks



Backlit LCD screen



Lead holder



Magnetic hanger 69417 (optional)



Work light (CL800 only)



DIGITAL CLAMP METERS

The **CL110** is an auto-ranging digital clamp meter that measures AC current via the clamp, and AC/DC voltage, resistance and continuity via test leads.

The **CL210** is an auto-ranging digital clamp meter that measures AC current via the clamp, AC/DC voltage, resistance and continuity via test leads, and temperature via a thermocouple probe.

The **CL310** is an auto-ranging True Root-Mean-Squared (TRMS) digital clamp meter that measures AC current via the clamp, AC/DC voltage, resistance, continuity, frequency, capacitance, and tests diodes via test leads, and temperature via a thermocouple probe.

The CL110, CL210 and CL310 clamp meters include a nylon carrying pouch, test leads, and batteries. The CL210 and CL310 also include a thermocouple.

Also available: CL110KIT Electrical Maintenance & Test Kit. Includes CL110 Clamp Meter, RT210 GFCI Receptacle Tester and 69409 Line Splitter-10x, nylon carrying pouch, test leads and batteries.



Clamp trigger

Function selector switch

LCD display

Function buttons

CL210 Shown

Test lead input jacks



Backlit LCD screen

DIGITAL CLAMP METERS



FUNCTIONS & FEATURES

FEATURES	CL110	CL210	CL310	CL600	CL700	CL800
Durability						
Drop Protection	3.3 ft. (1 m)	3.3 ft. (1 m)	3.3 ft. (1 m)	6.6 ft. (2 m)	6.6 ft. (2 m)	6.6 ft. (2 m)
Ingress Protection	—	—	—	IP40	IP40	IP40
Safety	CAT III 600V	CAT III 600V	CAT III 600V	CAT IV 600V	CAT IV 600V	CAT IV 600V
AC Voltage (Volts)	600V	600V	600V	1000V	1000V	1000V
DC Voltage (Volts)	600V	600V	600V	1000V	1000V	1000V
AC Current (Amps)	400A	400A	400A	600A	600A	600A
DC Current (Amps)	—	—	—	—	—	600A
Ohms (Resistance)	20MΩ	20MΩ	40MΩ	60MΩ	60MΩ	60MΩ
AC Millivolts	•	•	—	•	•	•
DC Millivolts	•	•	•	•	•	•
True RMS	—	—	•	•	•	•
Audible Continuity	•	•	•	•	•	•
Backlight	•	•	•	•	•	•
Temperature	—	-40° – 1832°F (-40° – 1000°C)	-40° – 1832°F (-40° – 1000°C)	—	-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	—	—	4000 μF	—	6000 μF	6000 μF
Frequency / Duty Cycle	—	—	10Hz – 1MHz	—	1Hz – 500 KHz	1Hz – 500 KHz
Max / Min	MAX only	MAX only	•	•	•	•
Magnetic Mount	—	—	—	Available As Accessory	Available As Accessory	Available As Accessory
Worklight	—	—	—	—	—	•
Auto-Power Off	•	•	•	•	•	•
LCD Display Count	2000	2000	4000	6000	6000	6000

Specifications subject to change.



TOUGH METER MULTIMETERS



**TOUGH
METER**



MM700 Shown

The **MM600** is an auto-ranging digital multimeter that measures AC/DC voltage, AC/DC current, and resistance. It also measures temperature, capacitance, frequency, duty-cycle, and tests diodes and continuity.

The **MM700** is an auto-ranging True Root-Mean-Squared (TRMS) digital multimeter that measures AC/DC voltage, AC/DC current, and resistance. It also measures temperature, capacitance, frequency, duty-cycle, and tests diodes and continuity.

The MM600 and MM700 include a nylon carrying pouch, test leads, alligator clips, batteries and thermocouple with adapter.



Backlit LCD screen



Lead storage



Magnetic hanger 69417 (optional)



DIGITAL MULTIMETERS

The **MM300** is a manual-ranging digital multimeter that measures AC/DC voltage, DC current, and resistance. It also tests diodes and continuity, and has a battery test mode.

The **MM400** is an auto-ranging digital multimeter that measures AC/DC voltage, AC/DC current, and resistance. It also measures temperature, capacitance, frequency, duty-cycle, and tests diodes and continuity.

The MM300 and MM400 multimeters include test leads and batteries. The MM400 also includes a thermocouple with adapter.

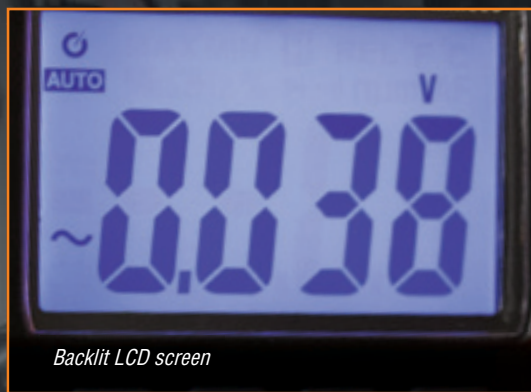


LCD display

Function buttons

Function selector switch

Test lead input jacks



Backlit LCD screen

MM400 Shown



Lead storage



Magnetic hanger 69417 (optional)

Non-Contact Voltage Testers



NCVT-1



The **NCVT-1** detects standard voltage (48-1000V AC) in cables, cords, circuit breakers, lighting fixtures, switches, outlets and wires.



NCVT-2



12-48V AC
DUAL RANGE
48-1000V AC

The dual-range **NCVT-2** detects low voltage (12-48V AC) in addition to standard voltage, and is perfect for use in security, entertainment, communications, environmental control and irrigation systems.



NCVT-3



The **NCVT-3** detects 12-1000V AC and includes a bright LED flashlight that illuminates dark or dimly-lit work areas. Rated IP67: dustproof/waterproof, it can withstand a 6.6 ft. (2m) drop.

Receptacle Testers

Designed to detect the most common wiring problems! The **RT110** instantly diagnoses common wiring faults in standard grounded outlets, while the **RT210** works with both standard and GFCI (ground fault circuit interrupter) outlets.



*Conditions indicated:
Wiring correct, open ground, reverse polarity, open hot, open neutral, hot/ground reversed.*



RT110



RT210

Tested Tough.

Trusted Safe.



See our complete line of Test & Measurement products at
www.kleintools.com



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