

1-800-GRAINGER (472-4643)

## Clamp Meters

Maintenance and troubleshooting testers for electrical, industrial, and HVAC applications include battery(ies). Select models have the following features: True RMS (TRMS) provides accurate readings of noisy, distorted or nonsinusoidal waveforms. Autosensing (AS) technology enables the meter to recognize the input and automatically switch to the correct mode of operation. Low-pass filter (LPF) attenuates high frequencies to reduce noise for accurate measurement of variable frequency drive signals. DC microamp (M) measurement is for flame rod applications.

### MINI CLAMP METERS

Compact size allows measurements in tight locations. Include test leads and case.

### HIGH RESOLUTION MINI SERIES

Devices feature DC autozero and accuracy at low currents, and are designed to operate in tight spaces. 2HPF6 provides noncontact frequency measurement to 10 kHz through the clamp jaws. Each includes case; all except 2HPF6 include test lead.

### POCKET-SIZE WITH AUTOSENSE

5.8" x 2.4" x 1.2" testers have a compact 0.8" jaw that accommodates conductors up to 300MCM and allows measurement in tight locations.



### OPEN JAW WITH AUTOSENSE

Feature an open-jaw design for quick measurements in tight locations. 40JL43 has input impedance that automatically decreases with the input voltage to provide low-impedance testing of ghost voltages.

### COMPACT CLAMP METERS

Pocket-size meters loaded with multimeter features and built-in noncontact voltage (NCV) detectors to meet many applications. Jaws fit conductors up to 500MCM.

### MULTIFUNCTION HVAC

5-in-1 meters feature dual Type K thermocouple inputs for superheat differential measurement. 2HPF8 and 6RGL7 add IR thermocouple with laser pointer and 2 temp. probes. Each includes test leads and case.

### 600 SERIES ELECTRICAL

Low impedance (LoZ) mode helps eliminate false readings caused by ghost voltages in these meters with true RMS AC or AC/DC. Include test leads; 40JK35 also includes bead wire probe.



40JL46



4FB73



40ZJ86



40JL43



453A46



2HPG1

AC Response	Max. AC Amps	Max. DC Amps	Max. AC Volts	Max. DC Volts	Max. Ohms	Counts	Features*	Safety Rating	Mfr. Model	STANDARD Item No.	NIST Item No.
<b>Mini Clamp Meters</b>											
TRMS	60	—	600 V	600 V	60 megaohm	6,000	F, C, LPF, NCV	CAT III 300V	MA61	40JL46	—
TRMS	60	60	600 V	600 V	60 megaohm	6,000	F, C, LPF, NCV	CAT III 300V	MA63	40JL47	—
<b>High Resolution Mini Series</b>											
Average	30	30	400 V	400 V	—	4,000	G	CAT III 300V	380942	8EUV3	—
Average	80	80	600 V	600 V	40 megaohm	4,000	F	CAT III 600V	380950	8G782	—
Average	200	200	400 V	400 V	400 megohm	4,000	F, G	CAT III 300V	380941	4FB73	6RGL7
TRMS	400	400	—	—	—	4,000	F, G	CAT III 300V	380947	2HPF6	—
<b>Pocket Size with Autosense</b>											
TRMS	300	—	—	—	—	6,000	LPF, NCV, SD	CAT III 600V	MA140	40ZJ86	—
<b>Open Jaw with Autosense</b>											
TRMS	200	—	1,000 V	1,000 V	10,000	9,999	AS, NCV	CAT IV 600V	MA260	40JL43	—
<b>Compact Clamp Meter</b>											
TRMS	400	—	600 V	600 V	40 megaohm	4,000	—	CAT III 600V	MA443	404K05	404K06
Average	400	—	600 V	600 V	40 megaohm	4,000	—	CAT III 600V	MA440	453A46	453A47
<b>Multifunction HVAC</b>											
TRMS	400	400	600 V	600 V	40 megaohm	4,000	T, F, C, IR, NCV, M, P	CAT III 600V	EX623	2HPF8	6RGL7
TRMS	400	400	600 V	600 V	40 megaohm	4,000	T, F, C, NCV, M, P	CAT III 600V	EX613	2HPG1	6RGL5
<b>600 Series Electrical</b>											
TRMS	600	—	750 V	1,000 V	60 megaohm	6,000	C, F, LoZ, LPF, M, NCV	CAT III 600V	EX650	40JK34	—
TRMS	600	600	750 V	1,000 V	60 megaohm	6,000	C, F, LoZ, LPF, M, NCV, T	CAT III 600V	EX655	40JK35	—

\* AS = autosense, C = capacitance, F = frequency, G = analog bar graph, IR = infrared temp., LoZ = low impedance mode, LPF = low-pass filter, M = microamps, NCV = noncontact voltage, P = peak hold, SD = smart data hold, T = Type K temp.; includes temperature probe(s).



## Digital Multimeter Troubleshooting Kit

Essential diagnostic, installation, and repair tools are combined in a handy carrying container to provide protection and organization for the meters and accessories.

Includes	Mfr. Model	Item No.
4000 Count Display, CAT IV-1000V Safety Rating, CAT IV-600V, Double Molded Housing, Drop Proof, DV25 Dual Range AC Voltage Detector (24 to 1000VAC/100 to 1000VAC) Plus Flashlight with Audible, Mfr. No. EX505 Industrial Grade, Rugged Multimeter with True RMS Functions, Set of Double Molded Professional Test Leads, Soft Carrying Case, TL808 (8) Piece Professional Test Lead Kit with CAT III-1000V Safety Rating, Type K Thermocouple Bead Probe and Type K to Banana Input Adaptor, Visual Indication, Waterproof	EX505-K	40KJ7



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