

Fluke Clamp-On Meters

- Auto Shut-Off Maximizes Battery Life
- Small Body and Jaws
- Large, Backlit Display (on most models)
- In-Rush Current Function (on most models)
- Improved Low Current Measurement Accuracy
- Display Hold Feature Locks Measurements on the Display
- Three-year Warranty

Each Unit Includes: Soft carrying case, TL75 test leads, (2) AA alkaline batteries, instruction card, safety instruction sheet

Approvals: UL, CE, CAT III 600V, CSA



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Specifications and Ordering Information

Model	321	322	333	334	335	336	337
AC Response	Averaging		Averaging			True-rms	
AC Current	Range 0-400.0A	0-40.00A, 40.0-400.0A	0-400.0A	0-600.0A		0 - 999.9A	
Accuracy	1.8% ± 5 counts (50-60 Hz)		2% + 5 counts (50-60 Hz)			±2% ± 5 counts (10-100 Hz)	
In-Rush	Integration Time N/A		100 mS				
DC Current	Range N/A		N/A			0 - 600.0A	0 - 999.9A
Accuracy	N/A		N/A			2% + 3 counts	
AC Voltage	Range 0-400.0V, 400 - 600V		0 - 600.0V				
Accuracy	1.2% ± 5 Counts (50-400 Hz)		1% + 5 counts (50-60 Hz)			1% + 5 counts (20-100 Hz)	
DC Voltage	Range N/A		0-400.0V, 400-600V		0 - 600.0V		
Accuracy	N/A		1% + 5 counts				
Resistance	Range 0 - 400.0Ω		0 - 600.0Ω	0 - 600.0Ω, 601 - 6000Ω			
Accuracy	1% + 5 counts		1.5% + 5 counts				
Continuity	≤ 30Ω						
Hz	Range N/A		N/A				5 - 400 Hz
Accuracy	N/A		N/A				0.5% + 5 counts
Trigger Level	N/A		N/A				10-100 Hz > 5A 5-10 Hz 100-400 Hz > 10A
MIN/MAX	N/A		N/A				Yes
Backlight	N/A		N/A				Yes
Size / Jaw Opening	7.5"H x 2.5"W x 1.4"D - 1"		9.375"H x 3.125"W x 1.625"D - 1.2"			9.875"H x 3.125"W x 1.625"D - 1.7"	
Weight	8 oz.		11 oz.				
Warranty	2 Years		3 Years				
Order #	MP321E	MP322E	MP333E	MP334E	MP335E	MP336E	MP337E
Price							

Recommended Accessories

Order #	Mfg #	Description	Price
MPH3	H3	Holster with Storage Pocket	
MPTL75	TL75	Test Lead Set	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL

Electrical Test Instruments

Meterman Digital Clamp-On Meters

Compact and Convenient Clamp-On Meters for all your Electrical Testing Needs

- Auto or Manual Ranging
- Data Hold
- Auto Power Off
- 2,000 and 4,000 Count Displays
- AC and AC/DC Models

There's no question the clamp-on meter continues to be the preferred meter of choice for testing, measuring and troubleshooting typical electrical installations.

Meterman offers a complete line of clamp-on instruments tailored to provide reliable, non-invasive testing for various current, voltage and resistance ranges and includes Tech-Preferred™ features such as Data Hold and Auto Power Off.

All Meterman clamp-on meters are distinguished with many time-saving, Tech-Preferred advantages that give you increased utility and greater performance in every application.

Each Unit Includes: Carrying case, test leads and instruction manual.



Specifications and Ordering Information








Mfg#	AD40A	AD105	AC40A	AC38	AC60	AC65	AC68
Display/Resolution (cts):	2,000	4,000		2,000		4,000	
Autorangeing:			Yes				
True-RMS Measuring:	—	Yes	—	—	—	Yes	—
AC Current:	400A	1000A	400A	—	—	600A	—
DC Current:	—	1000A	—	—	—	—	600A
AC Voltage:	—	—	600V	750V	—	600V	—
DC Voltage:	—	—	600V	—	—	—	600V
Basic Accuracy:	2.0%	1.9%	2.0%	1.50%	—	1.9%	0.75%
Resistance:	—	—	400Ω	—	40 kΩ	—	4 kΩ
Frequency:	—	10 kHz	—	—	—	—	20 kHz
Diode Test:	—	—	—	—	—	—	Yes
Continuity Test:	—	—	—	—	Yes	—	—
Data Hold:	Yes	—	—	—	Yes	—	—
Auto-Off:	—	Yes	—	—	—	Yes	—
DC Auto Zero:	—	Yes	—	—	—	—	Yes
AC Peak Hold:	—	Yes	—	—	—	—	Yes
Max Conductor Size:	25.4mm (1")	51mm (2")	24.4mm (1")	—	—	40mm (1.57")	—
ENC1010-1 Rating:	600V	1000V	600V	—	300V	300V	600V
Order #	MPAD40A	MPAD105	MPAC40A	MPAC38	MPAC60	MPAC65	MPAC68
Price:							

NEW AEMC AC and AC/DC Clamp-On Meters

- Models 501, 502 & 503 are Compact in Size and Measure to 400A and 600V
- Models 511, 512 & 514 are Standard Size Clamp-ons and Measure to 1000A and 1000V
- Full Functions: AAC, ADC, VAC, VDC, Ohms, Continuity with Beeper, Frequency, Diode Test and Hold or 1ms Peak
- Several Models offer DC Amp Measurements for Non-linear Applications
- Large Easy-to-read 4000-count Display

Approvals: IEC 1010, 600V CAT III

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Specifications and Ordering Information								
	Mfg#	500	501	502	503	511	512	514
	Type	AC		AC TRMS		AC	AC TRMS	AC/DC TRMS
	AC Current	0.05 to 400A		0.05 to 400A		0.05 to 1000A		0.05 to 1000A
	AC Voltage	400 to 600V		0.5 to 600V		0.5 to 750V		0.5 to 750V
	DC Current	-		-		-		1A to 1000A
	DC Voltage	-		0.2 to 600V		0.2 to 1000V		0.2 to 1000V
	Resistance (Ω)	0.3 to 400Ω		0.2 to 400Ω		0.2 to 4000Ω		0.2 to 4000Ω
	Continuity	<35Ω		<40Ω		<40Ω		<40Ω
	Frequency (Hz)	-		20Hz to 10kHz		-		1Hz to 4kHz
Current	-		2Hz to 400kHz		-		1Hz to 10kHz	
Voltage	-		-		-		1Hz to 10kHz	
True RMS	-		Yes		-		Yes	
Jaw Size	-		1.1" (28mm)		-		1.58" (40mm)	
Dimension	-		7.60 x 1.97 x 1.1"		-		9.53 x 2.60 x 1.42"	
Order #	MP2117.54	MP2117.21	MP2117.66	MP2117.22	MP2117.67	MP2117.68	MP2117.70	
Price								

Electrical Test Instruments

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL



Each Unit Includes: A pair of test leads (red/black with probe tips), batteries, soft carrying pouch and a user manual

AEMC AC Clamp-On Meters

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- True RMS AC Current to 700A
- Frequency Measurements to 10 kHz
- Stores Min/Max and Avg for Current or Frequency for Up to 24 hours (Model F3N)
- Fast Peak Measurements (including a Max Peak) for Crest Factor in Harmonics (Model F3N)
- Smooth Function for 3 Second Running Averages in Current and Frequency (Model F3N)
- Digital Display with Fast Analog Bargraph
- Auto and Manual Ranging Modes
- Tapered Jaws Handle Two 500MCM Cables or One 1.5" (38mm) Cable
- Audible BEEP Confirms Key Functions and New Min/Max Values
- Battery Life Indication Displayed at Power-Up
- Sleep Mode to Conserve Battery Life
- EN61010, 600V, CAT III

Specifications and Ordering Information

Model	1207.01 (F1N)	1207.03 (F3N)
AC Current (TRMS)		
Measurement Range	0.2 to 400 ARMS (700 for Sine Wave)	
Resolution	0.01A/0.1A	
Accuracy	±2% Rdg + 20 cts; ±Rdg + 2cts	
Peak Measurements		
Response	—	2 ms
Range	—	99.9A, 1000A
Crest Factor	—	5 @ mid range
Resolution	0.2A/2A/4A	
Accuracy	±3% Rdg + 2 cts	
Frequency		
Range	0.5 to 10 kHz	
Resolution	0.1 Hz	
Accuracy	0.2% Rdg + 3 cts	
General		
Digital Display	3-3/4 Digits LCD Display, 4000 Count for A 10,000 Count for Hz, (max reading 9999)	
Power Source	9V Alkaline Battery	
Jaw Opening	1.575" (40mm)	
Maximum Conductor Size	Cable: One 1.5" (38mm) Two 0.95" (24mm) or 2 x 500 MCM Bus Bar: 1.96 x 0.19" (50 x 5mm)	
Order #	MP1207.01	MP1207.03
Price		



1207.03



Model Includes: Soft protective carrying holster, 9V Alkaline Battery and user manual.

Megger Digital Clampmeters

- True RMS (AC and DC) Measurement
- Capability Up to 2,000 AAC and DC
- Data Hold and Peak Hold Capability
- Autorange and Auto-Zero
- Continuity & Diode Test
- Data Hold Capability
- Analog Output

The 23852E digital LCD display clampmeters are ideal for installation, maintenance, checking, and monitoring electrical systems and equipment. These three true RMS clampmeters are your best choices for accurate, non-intrusive AC and DC current measurements. Versatile for many situations, they measure AC, DC, pulse and mixed current, giving you an accuracy of 1% regardless of how complex or distorted the waveform is.

Specifications and Ordering Information

Mfg#	DCM24R	DCM104R	DCM204R
Maximum Conductor Size:		50 mm	
AC Current Range:	200A	1000A	2000A
DC Current Range:	200A	1000A	2000A
AC Volts Range:		600V	
Resistance		400Ω, 4 kΩ	
Accuracy:		± 1.3% of reading; ±3 digits	
Order #	MP23852E-1	MP23852E-2	MP23852E-3
Price			



Transcat Accredited Calibration with Data
Transcat Accredited Calibration without Data

CALL
CALL

NEW AEMC Professional High Performance TRMS Clamp-On Meter

- Hand-held Size Ultra Practical and Ergonomic
- True RMS Measurement through Fast Sampling – Accurate on Non-linear Waveforms
- 4kHz Bandwidth
- 3.5 Crest Factor @ 600 Arms and 900 Vrms
- Peak Function Captures 500 μ s Signals
- Measure Inrush current on 0.5, 1, 2.5, 5 and 10 cycles (15 to 70Hz)
- Min/Max for Automatic Capture of Extreme Values on 100ms Samples
- Measure V, A, Ohms, kW, Hz, Phase Rotation, Temperature, AC + DC (model dependant)
- Temperature Measurement up to 1832°F (1000°C) (via standard K thermocouple)
- Continuity at Programmable Buzzer Threshold from 1 to 40 Ω
- Selectable V-Live™ Function (buzzer) Warns of Live Circuit
- Battery Life Displays Directly in Hours at the Push of a Button
- Automatically Detects AC or DC and is Auto-Ranging
- Automatic DC Current Zeroing
- Backlit Digital Display
- EN 61010-1, EN 61010-2-032, 600V, Cat. III

Specifications and Ordering Information				
	2129.51 (F01)	2129.52 (F03)	2129.53 (F05)	2129.54 (F07)
Mfg#	2129.51 (F01)	2129.52 (F03)	2129.53 (F05)	2129.54 (F07)
Type	TRMS			
AC Current	0.2 to 400 Arms			
AC Voltage	0.2 to 600 Vrms			
DC Current	0.2 to 400A			
AC + DC Voltage	–			600V
Resistance (Ω)	400 Ω	4000 Ω	40k Ω	
Continuity	Yes			
Power	–		240 kW	–
Power Factor	–		40° to 240°	–
Phase Rotation	–		Yes	–
Frequency (Hz)	–		20kHz	
Temperature	–	-50° to 1832°F (-10° to 1000°C)	–	-50° to 1832°F (-10° to 1000°C)
True RMS	Yes			
Jaw Size	≤1" (≤26mm)			
Dimension	2.76 x 7.6 x 1.46"			
Order #	MP2129.51	MP2129.52	MP2129.53	MP2129.54
Price				

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NEW Extech Dual Display AC Mini Current Clamp Meter

Simultaneous Current and Multimeter Measurements on Two Separate Displays

- 4000 Count LCD Display for Clamp Input and Separate 4000 Count Display for Multimeter Test Lead Input
- Unique Capability to Observe AC Current and any Other Parameter Simultaneously, Including Amps+Volts (power), Amps+Ohms, Amps+Temperature
- Measure AC/DC Voltage to 600V and Resistance to 40M.
- Type K Thermocouple Temperature Measurements
- Basic 0.5% accuracy for DCV Measurements
- Autoranging with AC Current, Data Hold and Auto Power Off Functions
- Max Hold Captures 25ms Peaks
- 1.1" (28mm) Jaw Size Accommodates Conductors up to 4/0 AWG
- Continuity Beeper and Diode Test

Each Unit Includes: Complete with CAT III test leads, two CR2032 button batteries, carrying case and temperature probe.

Specifications

AC Current:	400A 0.01A \pm (1.9%+5d)
AC/DC μ A:	2000 μ A 0.1 μ A \pm (2%+8d)
DC Voltage:	600V 0.1mV \pm (0.5%+3d)
AC Voltage:	600V 1mV \pm (1.5%+5d)
Resistance:	40M Ω 0.1 Ω \pm (0.6%+4d)
Capacitance:	3000 μ F 0.1nF \pm (3.5%+6d)
Frequency:	5Hz to 100kHz 0.001Hz \pm (0.5%+4d)
Temperature:	-4°F to 572°F (-20°C to 300°C) 1°F/°C \pm (2%+6°F or 3°C)
Diode Test:	0.25mA, <1.6V
Continuity:	Beeper <10 to 120 Ω
Power:	Two CR2032 button batteries
Dimensions/Weight:	0.45lb (187g)/ 7.5x2.25x1.25" (190x63x32mm)



MA460

Ordering Information

Order #	Mfg #	Description	Price
MPMA460	MA460	MiniAmp Dual Display Clamp Plus Multimeter	
MP22579E	480172	Line Separator 3-prong plug	

Electrical Test Instruments

Amprobe AC/DC Clamp-On Meter

- AC + DC True RMS Measurement
- Volts, Amps, Ohms, Frequency, and Duty Cycle (0.0 to 99.9%)
- Diode Check, Continuity Test
- Accommodates Conductors Up to 2" in Diameter

Model 22860E is a function-packed, True RMS meter that offers high accuracy along with easy use. It measures all

the parameters necessary for troubleshooting both traditional and non-linear loads, and helps detect the presence of harmonics. Special features include a 1 ms peak hold; dynamic recording of max., min., average readings; relative mode; and manual and auto ranging. The backlit LCD has dual-parameter capability: a high-speed analog bargraph continually indicates real-time current or voltage, while the digital portion of the display reads frequency or duty cycle. The meter is overload protected on all functions and has a safety handguard design.



ACDC-3000

Specifications

		Range	Resolution	Accuracy
DC Voltage:	4V to 750V, 4 ranges	1 mV to 1V resolution		±(0.5% rdg + 3 digits) accuracy to 400V
AC Voltage:	4V to 750V, 4 ranges	1 mV to 1V resolution		±(1.5% rdg + 5 digits) accuracy to 400 Hz
AC + DC Voltage:	4V to 750V, 4 ranges	1 mV to 1V resolution		±(2.5% rdg + 9 digits) accuracy to 400 Hz
DC Current:	40A to 1000A, 3 ranges	0.01A to 1A resolution		±(1.5% rdg + 3 digits) accuracy, 400A range
AC Current:	40A to 1000A, 3 ranges	0.01A to 1A resolution		±(2% rdg + 5 digits) accuracy, 400A range @ 40–65 Hz
AC + DC Current:	40A to 1000A, 3 ranges	0.01A to 1A resolution		±(3.5% rdg + 9 digits) accuracy, 400A range @ 40–65 Hz
Resistance:	400Ω to 40 MΩ, 6 ranges	0.1Ω to 10 kΩ resolution		±(1% rdg + 3 digits) accuracy to 4 MΩ
Frequency:	200 Hz to 200 kHz, 4 ranges	0.01 Hz to 100 Hz resolution		±(0.2% rdg + 4 digits) accuracy
Power Supply:	One 9V alkaline or carbon zinc battery, EDA 1604			
Size/Weight:	10.24 x 2.52 x 1.26" HWD/1.85 lbs			

Ordering Information

Order #	Mfg #	Description	Price
MP22860E	ACDC-3000	AC/DC Clamp-On True RMS Meter	
Transcat Accredited Calibration with Data			CALL
Transcat Accredited Calibration without Data			CALL

Each Unit Includes: 9V alkaline battery, test leads (DTL-3000), carrying case (CC-AC/DC), and instruction manual.

Approvals: IEC 1010-1, CAT III 600V.

Amprobe AC/DC Clamp-On Meter with Temperature

- AC/DC True RMS Current Measurement
- AC/DC True RMS Voltage Measurement
- Single, Dual, and Differential Temperature All in One
- Capacitance, Resistance

Versatile Performance

Model 23369E is the first clamp-on meter to meet the requirements of both electrical contractors and HVAC technicians. It is the only one on the market to provide true RMS AC and DC amperage and voltage; single, dual, and differential temperature; capacitance; and resistance measurement capabilities in a single unit.

Powerful Troubleshooting Capabilities

Record maximum, minimum, and average values for all parameters for easy troubleshooting. The Peak Hold function for AC voltage and current enables you to capture and record fast peaks that often occur during motor in-rush current applications, such as equipment start ups, surges, or other spikes. Using the built-in capacitance measure mode, you can also test Start/Run capacitors.

The meter conforms to UL, ULc, TUV, CE, and IEC standards.

Each Unit Includes: 9V battery, test leads, carrying case, and instruction manual.



AC/DC-620T

Specifications

	Range	Resolution	Accuracy
DC Voltage:	400V, 1000V	1 mV, 1V	±(1% rdg + 3 digits)
AC Voltage:	400V, 1000V	1 mV, 1V	±(1.5% rdg + 3 digits)
DC Current:	400A, 1000A	0.1A, 1A	±(1.5% rdg + 3 digits), (400A)
AC Current:	400A, 1000A	0.1A, 1A	±(2% rdg + 5 digits), (400A)
Resistance:	400Ω, 4 kΩ	0.1Ω, 1Ω	±(1% rdg + 3 digits)
Temperature*:	-40 to +2502°F	1°F or C	±(0.5% rdg + 6°F)
		(-40 to +1372°C)	
Differential Temperature*:	-58°F < ΔT < 180°F	1°F	±(0.5% rdg + 6°F)
	(-50°C < ΔT < 100°C)	1°C	±(0.5% rdg + 3°C)
Capacitance:	400 μF, 4000 μF	0.1 μF, 1 μF	±(3% rdg + 4 digits), 400 μF
Dimensions:	1.26 x 2.52 x 10.24" HWD (32 x 64 x 260 mm)		
Maximum Jaw Opening:	Accommodates circuit cables up to 2" (50.8 mm) in diameter		

* Requirements for temperature measurement: One or more type K thermocouples, plus a single type-K or dual type-K adapter (not included).

Ordering Information

Order #	Mfg #	Description	Price
MP23369E	AC/DC-620T	AC/DC Clamp-On Meter with Temperature	
Transcat Accredited Calibration with Data			CALL
Transcat Accredited Calibration without Data			CALL

NEW Amprobe Clamp-On Multimeters

ACD-10 TRMS Pro, ACD-10 Pro, ACD-14 Tech Clamp Digital Clamp-on Multimeters

- TRMS Measurement (ACD-10 TRMS Pro only)
- AC and DC Voltage to 600V
- AC Current to 400A
- Resistance to 40MΩ with Continuity Buzzer
- Capacitance to 3000 mF
- Frequency measurement
- Diode test
- Hold and Maximum reading functions
- Temperature measurement (ACD-14 only)
- Dual Display (ACD-14 only)
- Accommodates conductors up to 1.02" (26mm) in diameter
- Auto ranging
- Auto power off and low battery indication
- Rubber over-molded case
- Overload protected
- Safety: CE, UL
 - Cat II 600 V and Cat III 300V (ACD-10 TRMS Pro & ACD-10 Pro)
 - CAT III 600V (ACD-14)
- Limited Life Time Warranty



ACD-10 TRMS Pro ▲

ACD-10 Pro ▶

ACD-14 ▲

Specifications and Ordering Information

Mfg #	ACD-10 TRMS Pro	ACD-10 Pro	ACD-14
TRMS measurement	Yes		N/A
AC Voltage	4,000V, 40,00V, 400,0V, 600 V (±1.5% Rdg + 5 LSD)		
DC Voltage	0-400.0 mV, 4,000V, 40,00V, 400,0V, 600 V (±0.5% Rdg + 3 LSD)		
AC Current	0-40,00A, 400,0A (±1.9% Rdg + 8 LSD)		
AC/DC Micro Amps	N/A		400,0µA, 2000µA DC: ±1.5% Rdg + 4 LSD AC: ±2.0% Rdg + 5 LSD
Resistance	0-400,0Ω, 4,000kΩ, 40,00 kΩ, 400,0 kΩ, 0-4,000MΩ, 40,00 MΩ (±0.6% Rdg + 4 LSD)		
Capacitance	500,0nF, 5,000µF, 50,00µF, 500,0µF, 3000µF ±3.5% Rdg + 6 LSD		
Frequency (Using Jaw or Test Leads)	40-400Hz with Jaw, 10Hz to 2kHz with test leads (±0.5% Rdg + 4 LSD)		10Hz to 100kHz with test leads (±0.5% Rdg + 4 LSD)
Temperature	N/A		-4°F to 572°F (-20°C to 300°C) ±2.0% Rdg + 6°F
Order #	MPACD-10-TRMSPro	MPACD-10PRO	MPACD-14
Price			

Each Unit Includes: Test leads (MTL-90B), Carrying case (SV-U), Bead Type-K Thermocouple with banana plugs (TPK-59) and Instruction Manual

Recommended Optional Accessories

Order #	Mfg #	Description	Price
MPCT50-1	CT50-1	5000A Clamp-on Current Transformer (50 to 1)	
MPCT50-2	CT50-2	3000A Clamp-on Current Transformer (50 to 1)	
MPA50-1	A50-1	600A Clamp-on Current Transformer (10 to 1)	
MPTMA-1	TMA-1	Dual Temperature Adapter	
MPTMA-K	TMA-K	Temperature Adapter	
MPVRC-320	VRC-320	Alligator Clips (For test leads)	

Amprobe AC/DC Clamp-On Meters

- AC and DC Current Measurements to 600 Amps

The 21019E is an average-sensing instrument, while the 21019E-1 is a True RMS instrument. Both units feature data-hold to freeze display readings, and a 3½-digit LCD display. The jaws will accommodate conductors 1.33" in diameter or .78" x 1.56" Bus Bars.

Each Unit Includes: 9V alkaline battery, carrying case (SV-600), and instructions.

Specifications

Range (AC/DC):	0–20, 20–200, 200–600A
Resolution:	0.1A–1.0A
Accuracy	
AC:	±1.9% of rdg + 7 digits, or better
DC:	±1.9% of rdg + 5 digits or better
Frequency Response:	40 Hz–400 Hz for sine wave
Power Supply:	Single 9V battery
Size/Weight:	2.34 x 7.92 x 1.13" (WLH)/11 oz

Ordering Information

Order #	Mfg #	Description	Price
MP21019E	ACDC-600A	AC/DC Clamp-On Meter	
MP21019E-1	ACDC-600AT	True RMS Clamp-On Meter	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL



ACDC-600A ▶

Amprobe AC/DC Clamp-On Meters

- Measures AC/DC Current, AC/DC Voltage, and Resistance

The 4792E features autoranging, digital readout, locking press-to-read buttons, a fused ohmmeter function, momentary overload protection to 50%, automatic zero adjust, and a big 2" jaw size.

Each Unit Includes: Fuse, 1A fast blow (BAG-361), test leads (PTL-2), clip adapter (VRC-320), ohmmeter attachment with Fuse (OHB-4), carrying case, and instructions.

NOTE: Battery is NOT included.

Specifications

	AC/DC Volts	AC/DC Current	Ohms	Frequency Response
Range:	0–999V	0–999A	0–1.999 kΩ	AC:40–400 Hz; DC:30–300 Hz
Accuracy:		±1% of rdg		—
Display:	7/16" LCD			
Power Supply:	9V alkaline battery (not included)			
Size:	9 1/4 x 3 3/4" (across jaw) x 1 1/4"			
Weight:	1.75 lb			

Ordering Information

Order #	Mfg #	Description	Price
MP4792E	ACDC1000A	AC/DC Clamp-On Meter	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL



ACDC1000A ▶

Amprobe Clamp-On Meters

- Analog Display
- 1" Jaw Standard, 2" on 1000A Models
- $\pm 3\%$ FS Accuracy
- Leads Lock In, Can't Pull Out
- Pointer Lock to Hold Readings

Each Unit Includes: Complete test lead set (VL-11S), ohmmeter attachment (OHB-3HE), fuse (8AG-360X023), carrying case (21024E), and instructions.

Note: One AAA alkaline battery for ohmmeter attachment not included.

Specifications and Ordering Information

Order#	Mfg#	AC Voltage Ranges	AC Current Ranges	Resistance Range Acc.	Price
MP4404E	RS-1	9-150/600	0-6/15/40/100	N/A	
MP4405E	RS-3	0-150/300/600	0-6/15/40/100/300	25 ohm midscale $\pm 3\%$ arc	
MP4406E	RS3-Super	0-150/300/600	0-6/15/40/100/300	25 ohm midscale $\pm 3\%$ arc	
MP4409E	RS-1007	0-150/300/750	0-15/40/100/300/1000	25 ohm midscale $\pm 3\%$ arc	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL

RS-3



B

Amprobe Clamp-On Meters

- Measures AC Volts, AC Current, and Resistance
- Autoranging
- 3½-Digit LCD Readout (4000 Count)
- Continuity from 0 to 100 Ω
- Data-Hold Function Included

Each Unit Includes: 9V alkaline battery, safety test leads, carrying case, and instruction manual.

Ordering Information

Mfg#	ACD-11
AC Voltage Ranges:	0-400/400-750
Accuracy:	$\pm 1.2\%$ rdg ± 3 LSD
AC Current Ranges:	0-400/400-1000
Accuracy:	<400A: $\pm 2\% + 5$; >400A: $\pm 2.5\% + 5$
Resistance Range:	200-40,000 Ω
Accuracy:	$\pm 2\%$ rdg ± 5 LSD
Max Conductor:	2.08"
Size/Weight:	8.875 x 2.75 x 1.375"/12 oz
Order #	MP4793E-11
Price	

Recommended Accessories

Order #	Mfg #	Description	Price
MP4793E-H	H-10Y	Holster for 4793E (Only)	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL



ACD-11

Electrical Test Instruments

Ideal/Sperry 2000 Amp Clamp Meters

- Three Clamp-On Models
- 2000A Range Plus mV Output (DSA2003, DSA-2009)
- 3½-Digit Resolution, All Models
- 2.16" Jaw Opening

Each Unit Includes: One 9V battery, test leads (TL58), carrying case, and operating instructions.

Specifications and Ordering Information

Mfg#	61-740	61-741	61-742
AC Voltage:			
Range & Resolution:	40.00/400.0/750V	400.0/750V	40.00/400.0/750V
Basic Accuracy:	1.0%	1.5%	1.5%
DC Voltage:			
Range & Resolution:	40.00/400.0/750V	400.0/1000V	40.0/400.0/1000V
Basic Accuracy:	1%	1%	1.0%
AC Current:			
Range & Resolution:	400.0/2000A	400.0/2000A	400.0/1700/2000A
Basic Accuracy:	1%	1.5%	1.5%
DC Current:			
Range & Resolution:	—	400.0/2000A	400.0/2000A
Basic Accuracy:	—	1.5%	1.5%
Resistance:			
Range & Resolution:	400.0/4.000k/40.00k/400 kΩ	400.0/4000Ω	400.0/4000Ω
Basic Accuracy:	1.5%	1.5%	1.5%
Frequency:			
Range & Resolution:	—	—	4000 Hz
Basic Accuracy:	—	—	1.5%
Diode Test:		•	•
Order #	MQDSA2002	MQDSA2003	MQDSA-2009
Price			



61-742

Transcat Accredited Calibration with Data **CALL**
 Transcat Accredited Calibration without Data **CALL**

Extech 1000A and 2000A AC/DC Clamp + DMMs

Choice of 1000A and 2000A Models, with Temperature or Temperature and True RMS

- 1000A Jaws Accommodate 1.3" Conductors
- 2000A Jaws Accommodate 2" Conductors
- Data-Hold to "Freeze" the Reading
- AC Frequency Response 40–400 Hz
- Large 3½-Digit LCD
- Peak Hold to Store and Recall
- Manual DCA Zero Adjust Improves Accuracy
- CAT III (600V) Approval

Each Unit Includes: 9V battery, test leads, bead wire K thermocouple probe for temperature models, and case.

Applications: Motor testing and repair, plant maintenance electrical testing, measure motor in-rush current, and measure motor and machine temperatures.

Specifications

	Range	Accuracy (% rdg + digits)
DC/AC Current:		
(1000A models):	200A/1000A	±(1.5%FS + 10d)
(2000A models):	200A/2000A	±(1.5% FS + 10d)
DC Voltage:	200 mV*	±(0.8% + 1d)
	200V/600V	
AC Voltage:	200V/600V	±(1% + 2d)
Resistance:	2000Ω	±(1% + 1d)
Temperature:		
(°F Models):	-40 to 2000°F	32–1400°F ±1.2% + 3°
(°C Models):	-40 to 1000°C	0–750°C ±1% + 2°
Peak Hold:	Acquisition Time: 150 ms; Decay Rate: Less than 2 digits/sec	
Dimensions/Weight:	9.1 x 2.8 x 1.4" (230 x 70 x 36 mm)/14 oz (400g)	

* Range applies to models without temperature only

Ordering Information

Order #	Mfg #	Description	Price
MQ380922	380922	1000A DC/AC Clamp DMM, (without temp function)	
MQ38092C	38092C	1000A DC/AC Clamp DMM, °C	
MQ38092F	38092F	1000A DC/AC Clamp DMM, °F	
MQ38095C	38095C	1000A True RMS DC/AC Clamp DMM, °C	
MQ38095F	38095F	1000A True RMS DC/AC Clamp DMM, °F	
MQ380923	380923	2000A DC/AC Clamp DMM, (without temp function)	
MQ38093C	38093C	2000A DC/AC Clamp DMM, °C	
MQP38093F	38093F	2000A DC/AC Clamp DMM, °F	
MQ872501	872501	Spare Bead Wire Temperature Probe	

380923



Transcat Accredited Calibration with Data **CALL**
 Transcat Accredited Calibration without Data **CALL**

Extech Clamp-On Meters

True RMS 600A AC Clamp-on DMM

- 3/4-Digit (3999 Count) Multifunction LCD with Data/Peak Hold
- AC Measurements Over Wide (40 to 450Hz) Frequency Range
- Plus Resistance, Frequency, Capacitance, and Temperature with Selectable °C/°F Units
- Clamp Jaws Open to 1.6" (40 mm)
- Meets IEC1010 for CAT III, 600V

Each Unit Includes: Bead wire temperature probe, test leads, 9V battery, and case.

380973



200A Mini Clamp DMM

- Economical Clamp-On for AC Current Measurements to 10 mA and DC Current to 100 mA
- Bright 1/2" LCD (2000 Count) Display
- Data-Hold
- .75" (19 mm) Jaw Opening
- Overload Protection to 300 Amps
- Low Battery and Overrange Indication

Each Unit Includes: Battery, test leads, and case.

380652



200A Clamp Meter

- Precision Clamp-On Meter Measures Current Down to 10 mA, Plus Autoranging Frequency, Voltage, and Resistance
- Large 4000 Count LCD Display with Full Function Indication
- Fast 40 Segment Analog Bargraph
- One Touch "Auto Zero"
- Data-Hold, Max/Min Recall Display
- 0.9" (23 mm) Clamp Jaw Opening

Each Unit Includes: Two AA batteries, wrist strap, and carrying case.

380941



True RMS Mini DC/AC Clamp Meters

- True RMS AC Current and Voltage
- Measure Low Current with High Resolution to 0.1 mA AC or 1 mA DC
- Large 4000 Count LCD Display with Full Function Indication
- Fast 40 Segment Analog Bargraph with Auto Power Off
- One Touch "Auto Zero"
- Data-Hold, Max/Min Recall Display
- 0.9" (23 mm) Clamp Jaw Opening
- Overload Protection to 400A DC

Each Unit Includes: Two AA batteries, test leads, wrist strap, and case.

380942



400A Clamp Meter

- True RMS AC Current
- Resolution to 1 mA AC and 10 mA DC
- Non-Contact Frequency Measurements to 1000 kHz (Autoranging)
- Large 4000 Count LCD Display
- Fast 40 Segment Analog Bargraph
- One Touch "Auto Zero" for DCA Measurements Eliminates the Need to Turn a Knob to Zero Adjust
- Data-Hold, Max/Min Recall Display
- 0.9" (23 mm) Clamp Jaw Opening
- Overload Protection to 400A DC

Each Unit Includes: Two AA batteries, wrist strap, and carrying case.

380947



Specifications and Ordering Information

Mfg#	380973	380652	380941	380942	380947
Display Counts	4000	2000	4000	4000	4000
TRMS	Yes	NA	NA	Yes	Yes
AC Current	400A, 600A	20A, 200A	40A, 200A	400 mA, 4A, 30A	4A, 40A, 100A, 400A
DC Current	—	200A	40A, 200A	4A, 30A	40A, 400A
Max Resolution	0.1A	AC: 0.01A, DC: 0.1A	0.01A	AC: 0.1 mA, DC: 0.001A	AC: 0.001 mA, DC: 0.01A
Basic ACA Accuracy	± 2.0%	± 1.2%	± 1.0%	± 1.5%	AC: ± 1.5%, DC: ± 1.0%
AC Voltage (Resolution)	600 VAC (0.1 VAC)	500 VAC (1 VAC)	400 VAC (0.1VAC)	400 VAC (1VAC)	NA
DC Voltage (Resolution)	600 VAC (0.1 VAC)	200 VDC (0.1 VDC)	NA	400 VAC (1VAC)	NA
Resistance (Resolution)	4 kΩ (1Ω)	200Ω (0.1Ω)	400Ω (0.1Ω)	NA	NA
Capacitance (Resolution)	2000 μF (1 μF)	NA	NA	NA	NA
Frequency (Resolution)	4 kHz (1 Hz)	NA	1000 kHz (0.01 Hz)	NA	1000 kHz (0.01 Hz)
Temperature	-4 to 1832° F (-20 to 1000°C)	NA	NA	NA	NA
Diode / Continuity	Yes	NA	Continuity	NA	NA
Data Hold	Yes	NA	Yes	NA	NA
Min/Max/Peak	Peak	NA	Min/Max	Min/Max	Min/Max
Jaw Size : Cable Size	1.3" (30mm) : 350 MCM	0.75" (19mm) / 2/0 AWG	0.9" (23mm) : 4/0 AWG	0.9" (23mm) : 4/0 AWG	0.9" (23mm) : 4/0 AWG
Size	9.1x2.8x1.4" (230x70x36mm)	7.1x1.9x1.4" (180x47x35mm)	7x1.8x1.3" (178x45x32mm)	7x1.8x1.3" (178x45x32mm)	7x1.8x1.3" (178x45x32mm)
Safety Rating	CATIII - 600V	CATIII - 500V	CATIII - 300V	CATIII - 300V	CATIII - 300V
Warranty	1 Year	1 Year	1 Year	1 Year	1 Year
Order #	MP380973	MP380652	MP380941	MP380942	MP380947
Price					

NEW Yokogawa Current Clamp-on Meters

- Avg. and RMS Models
- AC and AC/DC Models



CL120 ▲

CL130 ▲

CL135 ▲

CL150 ▲

AC Current Measurement — Specs and Ordering Info

Mfg #	CL120	CL130	CL135	CL150
Diameter	24 mm		33 mm	55 mm
ACA Range	20/200A		200/600A	400/2000A
Frequency characteristic	40Hz to 1kHz	45Hz to 1kHz	40Hz to 1kHz	40Hz to 1kHz
Method of detection		AVG	RMS	AVG
Accuracy	2%+5 (20A, 50Hz to 1kHz) 2%+5 (200A, 50/60Hz) 3%+10 (200A, 40Hz to 1kHz)	1.5%+4(200A,50/60Hz) 1.0%+3(600A,50 to 1kHz) 2.0%+5(45Hz to 1kHz)	1.5%+4(50/60Hz) 2.0%+5(40Hz to 1kHz)	1.0%+3(up to 1500A,50/60Hz) 3.0%(1501 to 2000A, 50/60Hz) 2.0%+3(400A, 40Hz to 1kHz) 3.0%+3(up to 1500A, 40Hz to 1kHz)
ACV	NA		200/600V	
DCV		NA		40/400/750V 40/400/1000V
Resistance	NA		200Ω	400Ω/4 kΩ/40 kΩ/400 kΩ
Data hold			Yes	
Continuity check	NA		Yes	
Analog output		NA		Yes
Display (Max. value)		1999		3999
Circuit voltage	300Vrms		600Vrms	
Compliance with standards	CAT III, 300V		CAT III, 600V	
Dimensions	58.5x147x26		91(W)x208(H)x40(D)	105(W)x247(H)x49(D)
Weight	100g		400g	470g
Order #	MPCL120	MPCL130	MPCL135	MPCL150
Price				

AC/DC Current Measurement — Specs and Ordering Info

Mfg #	CL220	CL250
Diameter	24 mm	55 mm
DCA Range	40/300A	400/2000A
Accuracy	1%+2	1.5%+2
ACA Range	40/300A	400/2000A
Frequency characteristic	40Hz to 1kHz	30Hz to 1kHz
Method of detection	AVG	RMS
Accuracy	1%+4 (40A,50/60Hz) 1.5%+4 (200A,50/60Hz) 3.5% (300A,50/60Hz)	1.5%+3(up to 200A,50/60Hz) 1.5%+2(201 to 1700A,50/60Hz) 3.0%+3(1701 to 2000A,50/60Hz) 3.0%+4(up to 1700A,30Hz to 1kHz)
ACV		40/400/750V
DCV		40/400/1000V
Resistance		400Ω/4kΩ
Frequency characteristic		10Hz to 4kHz
Data hold		Yes
Continuity Check	NA	Yes
Analog output		Yes
Display (Max. value)		3999
Circuit voltage	300Vrms	600Vrms
Compliance with standards	CATIII, 300V	CATIII, 600V
Dimensions	59_147_25	105(W) x 2250(H)x 49(D)
Weight	100g	540g
Order #	MPCL220	MPCL250
Price		



CL220 ▲

CL250 ▶

Amprobe AC Leakage Current Clamp-On Meter

- Five Current Ranges to 100A
- Resolution to 10 μ A
- Measures AC Volts, Resistance
- Min/Max, Data-Hold, Audible Continuity Test
- 1.18" (30 mm) Jaw Size
- Bargraph Indication of Fluctuation
- Overload and Overvoltage Protection



DLC-100 ▲

The 23527E clamp-on meter measures down into the low milliamp range, and is designed for detecting leakage current in 50/60 Hz distribution systems. It's ideal for early warning of impending problems or for indication of immediately dangerous conditions such as conductor insulation breakdown in conduit, motors, compressors, or any other equipment on the circuit.

Each Unit Includes: Two AA 1.5V alkaline batteries, test lead set, soft vinyl case, and instruction manual.

Ordering Information

Order #	Mfg #	Description	Price
MP23527E	DLC-100	AC Leakage Current Clamp-On Meter	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL

Specifications

	Range	Resolution	Accuracy	
AC Current:		50/60 Hz	40 Hz–1 kHz	
	0–40 mA	10 μ A	$\pm 1\%$ rdg ± 3 dgts	$\pm 1.5\%$ rdg ± 5 dgts
	0–400 mA	100 μ A	$\pm 1\%$ rdg ± 3 dgts	$\pm 1.5\%$ rdg ± 5 dgts
	0–4A	1 mA	$\pm 1\%$ rdg ± 3 dgts	$\pm 1.5\%$ rdg ± 5 dgts
	0–40A	10 mA	$\pm 1\%$ rdg ± 3 dgts	$\pm 1.5\%$ rdg ± 5 dgts
	0–80A	100 mA	$\pm 2.5\%$ rdg ± 10 dgts	$\pm 2.5\%$ rdg ± 10 dgts
0–100A	100 mA	$\pm 9\%$ rdg ± 10 dgts	$\pm 9.5\%$ rdg ± 10 dgts	
AC Voltage:	0–400V	0.1V	$\pm 1\%$ rdg ± 3 dgts	$\pm 2\%$ rdg ± 1 dgt
Resistance:	0–400 Ω	0.1 Ω	$\pm 1\%$ rdg ± 3 dgts	$\pm 1\%$ rdg ± 3 dgts
			(throughout range)	(throughout range)
Power Supply:	Two AA alkaline batteries			
Instrument Size:	8.3 x 2.4 x 1.4" HWD (210 x 62 x 35.6 mm)			
Weight:	7.14 oz (200g), with batteries			

Megger Clamp-On AC Current Leakage Tester

- Precheck Ground Systems
- 30 mA to 300A Ranges
- 0.01 mA Resolution for Minute Leakage Currents
- Analog Bargraph Lets You See Current-Flow Dynamics
- Data-Hold Captures Hard-to-Read Measurements



▲ **DCM300E**

Designed primarily to measure earth leakage current down to the sub-milliampere range, this is a valuable addition to your tool kit. And, since it also measures up to 300A, you'll be able to use it for most of your other current measurements.

Dual Purpose—Stand-alone Testing or

Pre-Checks of Ground Systems

Whenever you have unexplained electrical disturbances, unsatisfactory equipment operation, or inconsistencies in your electrical system, start your investigation with the 23363E. Use it anywhere around your plant or site: just clamp it around a cable or bus bar, and take your reading.

You also should use it before you make any ground-resistance test. Clamp it around the ground rod or conductor to see, within seconds, if there's any leakage current flowing to ground.

Ideal for GFCI Circuits

When RCDs or GFCIs are tripping regularly, use the meter to determine if the device itself is faulty, or if excessive leakage current is causing the tripping, in which case the installation needs to be checked or the device updated.

Each Unit Includes: Two 1.5V button-cell batteries, carrying case, and instruction manual.

Specifications

Ranges:	0 to 30 mA, 300 mA, 30A, 300A
Min. Resolution:	0.01 mA, 0.1 mA, 0.01A, 0.1A (relative to range)
Accuracy:	$\pm 1.2\%$ rdg ± 5 digits (mA ranges and 0 to 200A)
Withstand Voltage:	3700V AC, 1 minute max
Jaw Capacity:	1 $\frac{3}{5}$ " (40 mm)
Power Supply:	Two 1.5V button cells, LR44 or SR44; approx. 50-hr. life (LR44)
Safety:	IEC1010-1 and IEC1010-2-032
Size:	2 x 7 x $\frac{9}{10}$ " HWD (64 x 176 x 23 mm)
Weight:	4.4 oz (125g)

Ordering Information

Order #	Mfg #	Description	Price
MP23363E	DCM300E	Clamp-On Current Leakage Tester	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL

B

Electrical Test Instruments

Ideal Amp Clamp Meter

Three Meters in One! Tester, Digital Multimeter and Clamp Meter

Each Unit Includes: One 9V battery, silicone test leads(TL-101), nylon carrying case (C-700) and operating instructions.

Common Features: Audible continuity, low battery, data hold/max hold, overload protection and diode test

Specifications

Mfg#	61-700	61-701	61-702
AC Voltage			
Range & Resolution	200.0/600V	2000m/200.0/600V	
Basic Accuracy		1.2%	
DC Voltage			
Range & Resolution	200.0m/2000m/200.0/600V	20.00/200.0/600V	2000m/200.0/600V
Basic Accuracy		0.5%	
AC Current			
Range & Resolution		200.0A	
Basic Accuracy		3.0%	
Resistance			
Range & Resolution		200.0/200.0 k Ω	
Basic Accuracy		1.0%	
Capacitance			
Range & Resolution	—		200.0 μ F
Basic Accuracy	—		3.0%
Frequency			
Range & Resolution	2.000k/20.00k/40.00 kHz (Auto)		—
Basic Accuracy	0.1%		—
Non-Contact Vol.	—	Yes	—
Vibration Mode	—	—	Yes
UL 3111 Rating	Cat III - 600V		Cat III - 1000V
Size/Weight	10.3L x 2.25W x 1.25D, 1 Lb. (ALL UNITS)		
Operating Temp.	32°F - 122°F (ALL UNITS)		
Order #	MP61-700	MP61-701	MP61-702
Price			



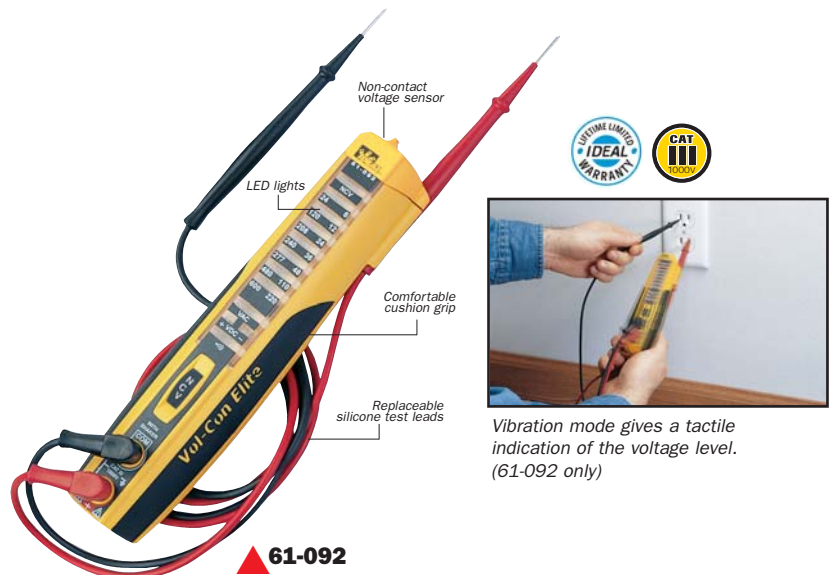
Ideal Vol-Con® Elite Voltage/Continuity Testers

- Tests for Voltage Up to 600 VAC/200 VDC
- Tests for Voltage as Low as 24 VAC/6 VDC
- Audible Continuity
- Non-contact Voltage
- Low Impedance
- Replaceable Silicone Test Leads
- Integral Lead Storage
- Unit Measures 7.83L x 1.73W x 1.53D, Weighs .8 lbs., Operating Temp is 32°F - 122°F

Each Unit Includes: Silicone Test Leads (TL-101) and instructions

Ordering Information

Order #	Mfg #	Description	Price
MP61-090	61-090	Vol-Con® Elite	
MP61-092	61-092	Vol-Con® Elite w/ vibration mode	
MPC-90	C-90	Nylon Carrying Case	



Fluke Voltage/Continuity/Current Testers

- Unique Open Jaw™ Construction
- AC/DC Volts, AC Current, Resistance
- 1000V or 600V Versions
- Checks Current without Breaking Circuit
- Detachable Slim-Reach™ Probe Tips
- Frequency Response 45 to 440 Hz
- Continuity Beeper <25Ω

Specifications

	T5-600E	T5-1000E
AC/DC Voltage:	600V	1000V
Resolution:	1V	
Accuracy (1 yr.):		AC: ±(1.5% + 2 digits); DC: ±(1% + 1 digit)
AC Current:		0 to 100.0A
Accuracy:		±(3% + 3 digits)
Resistance:		0 to 1000Ω
Accuracy:		±(1% + 2 digits)
Power Supply:	Two AA zinc chloride batteries, 200-hr. use	
Jaw Size:	12.9 mm (0.508")	
Size (approx.):	8 x 2 x 1.2" HWD (203 x 51 x 30.5 mm)	
Weight (approx.):	10 oz (0.3 kg)	

Each Unit Includes:
Probe tips and instructions.

T5-1000 ▶



B

Ordering Information

Order #	Mfg #	Description	Price
MPT5-600E	T5-600	Voltage/Continuity/Current Tester, 600V	
MPT5-1000E	T5-1000	Voltage/Continuity/Current Tester, 1000V	
MPC520E	C520	Case for T5	
MPH5E	H5	Clip-On Holster	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL

Fluke Voltage/Continuity Tester

- Seven AC, Seven DC Voltage Levels
- DC Polarity Indicator
- Completely Automatic Operation
- CAT IV 600V, CAT III 1000V

There are no switches or knobs—no on/off switch, no function or range selections. Just connect the probe tips and the tester does the rest. It automatically shows if

you're looking at AC or DC volts, or at an open circuit; displays DC polarity; and, via stepped LEDs, indicates nominal voltage level. The US model comes with non-removable flat-blade tips, the Canadian model with 4 mm tips.

Each Unit Includes: Two AA carbon-zinc batteries, test leads, and instructions.

Specifications

AC Voltage Steps:	
US	24, 48, 120, 208, 240, 277, 480
Canadian	24, 48, 120, 208, 240, 347, 600
DC Voltage Steps:	6, 12, 24, 36, 48, 110, 220V
Continuity:	Beeper on at <150,000Ω, off at >300,000Ω
AC Freq. Response:	45 to 66 Hz
Power Supply:	Two AA carbon-zinc batteries, 250-hr. life
Size:	6.3 x 1.8 x 1.3" HWD (160 x 46 x 33 mm)
Weight:	7 oz (0.22 kg) approx.



Voltage measurement and detection can be found
on pages B110-B114

T3US ▶



Electrical Test Instruments

Ordering Information

Order #	Mfg #	Description	Price
MPT3US	T3US	Voltage/Continuity Tester, US Version	
MPT3CAN	T3CAN	Voltage/Continuity Tester, Canadian Version	