

# CLAMP-ON METERS

## 670 SERIES

### MODELS 670 & 675

*Dual display simultaneously measures and displays voltage and current*

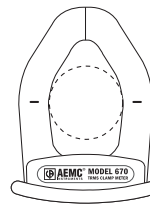


670

675

### SPECIFICATIONS

MODELS	670 TRMS		675 TRMS	
<b>ELECTRICAL</b>				
<b>AC Current</b>	0.00 to 99.99A	100 to 1000A	0.00 to 99.99A	100 to 1000A
<b>Resolution</b>	0.01A	0.1A	0.01A	0.1A
<b>DC Current</b>	–	–	0.00 to 99.99A 1000 to 1400A	100.0 to 999.9A 1000 to 1400A
<b>Resolution</b>	–	–	0.01A	0.1A 1A
<b>AC Voltage</b>	0.0 to 999.9V			
<b>Resolution</b>	0.1V			
<b>Input Resistance</b>	1MΩ			
<b>DC Voltage</b>	0.0 to 999.9V	1000 to 1400V	0.0 to 999.9V	1000 to 1400V
<b>Resolution</b>	0.1V	1V	0.1V	1V
<b>Input Resistance</b>	1MΩ			
<b>Resistance-Ohms (Ω)</b>	0.0 to 999.9Ω	1000 to 9999Ω	0.0 to 999.9Ω	1000 to 9999Ω
<b>Resolution</b>	0.1Ω	1Ω	0.1Ω	1Ω
<b>CONTINUITY</b>				
<b>Beeper Activation</b>	< 35Ω			
<b>Accuracy</b>	±1% of Reading ±3cts, 3.3Vdc (Vmax)			
<b>Frequency (Hz)</b>	A - Hz	V - Hz	A - Hz	V - Hz
<b>Range</b>	1000Hz	10,000Hz	1000Hz	10,000Hz
<b>Resolution</b>	0.1Hz	1Hz	0.1Hz	1Hz
<b>Temperature (°C/°F)</b>	-40° to 999.5°C / -40° to 2192°F	1000° to 1200°C / -40° to 2192°F	-40° to 999.5°C / -40° to 2192°F	1000° to 1200°C / -40° to 2192°F
<b>Resolution</b>	0.5°C / 1°F	1°C / 1°F	0.5°C / 1°F	1°C / 1°F
<b>GENERAL</b>				
<b>Power Supply</b>	One 9V, NEDA 1604 (6F22) Alkaline battery (included)			
<b>Battery Life</b>	(no buzzer or backlight) 35 hours		(no buzzer or backlight) 30 hours	
<b>MECHANICAL</b>				
<b>Digital Display</b>	3 ¾ digits LCD dual display (max reading 9999)			
<b>Jaw Opening</b>	1.65" (42mm)		1.58" (40mm)	
<b>ENVIRONMENTAL</b>				
<b>Operating Temperature</b>	*-14° to 122°F (-25 to 50°C), 80% RH, non-condensing			



670

Jaw Opening:  
1.65" (42mm)  
Conductor Size:  
one 750kcmil cable or  
two 350kcmil cables



675

Jaw Opening:  
1.58" (40mm)  
Conductor Size:  
one 750kcmil cable or  
two 350kcmil cables

### FEATURES

- Dual display
- Standard size, full function clamp-on meter
- 1000Ac/dc current measurements (DC current on Model 675 only)
- 1400Vdc volt measurements
- TRMS measurements
- Resistance measurement to 10,000Ω
- Continuity with beeper below 35Ω
- Frequency measurements from V and A inputs
- 1ms peak function for fast capture of signals
- Hold function to “freeze” readings
- Designed to measure amps and volts at the same time
- Push-button for easy A/dc zeroing
- Large, easy-to-read 10,000-count, backlit LCD display

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### PRODUCT INCLUDES

Soft carrying case, set of test leads (red/black with safety needle tips), K-type thermocouple, (1) 9V battery and a user manual.



\*Note: If the meter is to be used below 32°F (0°C), we suggest that the battery be replaced to ensure proper results.

CATALOG NO.	DESCRIPTION
2117.49	Clamp-On Meter Model 670 (Dual Display, TRMS, AC Amps, AC/DC Volts, Ohms, Continuity, Frequency & Temperature)
2117.50	Clamp-On Meter Model 675 (Dual Display, TRMS, AC/DC Amps & Volts, Ohms, Continuity, Frequency & Temperature)

# CLAMP-ON METERS

## SELECTION GUIDE

Models	Catalog Number	Type	AC Current	AC Voltage	DC Current	DC Voltage	Resistance ( $\Omega$ )	Continuity	Frequency (Hz)		Jaw Size	Dimensions
									Current	Voltage		
203	2139.12	AC/DC TRMS	.15 to 600A	.15 to 1000V	0 to 900A	0 to 1000V	0 $\Omega$ to 60k $\Omega$	<40 $\Omega$	5Hz to 3kHz	5Hz to 20kHz	1.34" (34mm)	8.7 x 3.1 x 1.65"
205	2139.40	AC/DC TRMS	600A	1000V	900A	1000V	60k $\Omega$	<40 $\Omega$	3kHz	20kHz	1.34" (34mm)	8.7 x 3.1 x 1.65"
403	2139.21	AC/DC TRMS	1000A	1000V	1500A	1000V	100k $\Omega$	<40 $\Omega$	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
405	2139.50	AC/DC TRMS	1000A	1000V	1500A	1000V	100k $\Omega$	<40 $\Omega$	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
407	2139.51	AC/DC TRMS	1000A	1000V	1500A	1000V	100k $\Omega$	<40 $\Omega$	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
603	2139.31	AC/DC TRMS	2000A	1000V	3000A	1000V	100k $\Omega$	<40 $\Omega$	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
605	2139.60	AC/DC TRMS	2000A	1000V	3000A	1000V	100k $\Omega$	<40 $\Omega$	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
607	2139.61	AC/DC TRMS	2000A	1000V	3000A	1000V	100k $\Omega$	<40 $\Omega$	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
505	2139.82	AC/DC TRMS	400A	600V	400A	600V	600 $\Omega$	<35 $\Omega$	400Hz	400Hz	1.18" (30mm)	7.83 x 2.95 x 1.42"
512	2117.68	AC TRMS	0.05 to 1000A	0.5 to 750V	-	0.2 to 1000V	4000 $\Omega$	<40 $\Omega$	20Hz to 10kHz	10Hz to 10kHz	1.58" (40mm)	9.53 x 2.60 x 1.42"
514	2117.70	AC/DC TRMS	0.05 to 1000A	0.5 to 750V	1 to 1000A	0.2 to 1000V	4000 $\Omega$	<40 $\Omega$	20Hz to 10kHz	10Hz to 10kHz	1.58" (40mm)	9.53 x 2.60 x 1.42"
566*	2139.83	AC TRMS	1 $\mu$ A to 100A	0.01 to 600V	-	0.01 to 600V	0.1 $\Omega$ to 600k $\Omega$	<45 $\Omega$	48 to 500Hz	48 to 500Hz	.91" (23mm)	8.27 x 3.0 x 1.32"
CM605	7000.02	AC/DC	1mA to 100A	600Vrms	1mA to 100A	600V	0 to 9999 $\Omega$	Buzzer <100 $\Omega$ $\pm$ 25 $\Omega$	50 to 500Hz	40 to 500Hz	0.60" (15mm)	7.95 x 2.76 x 1.33"
670	2117.49	AC TRMS	0 to 1000A	0 to 1000V	-	1000 to 1400V	1000 to 10,000 $\Omega$	<35 $\Omega$	1000Hz	10,000Hz	1.65" (42mm)	10.71 x 3.15 x 1.69"
675	2117.50	AC/DC TRMS	0 to 1000A	0 to 1000V	0 to 1400A	0 to 1400V	0 to 9999 $\Omega$	<35 $\Omega$	1000Hz	10,000Hz	1.58" (40mm)	10.12 x 3.15 x 1.69"

\*Model 566 can be found in the Leakage Current Meters & Probes on Page 83  
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