

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

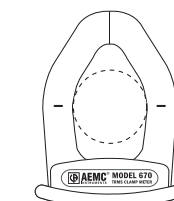
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PRODUCT INCLUDES

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

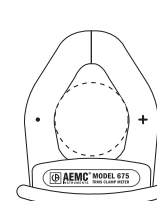


*Note: If the meter is to be used below 32°F (0°C), we suggest that the battery be replaced to ensure proper results.



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
- 1000Aac/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

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 (Ω)	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 Ω to 60k Ω	<40 Ω	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 Ω	<40 Ω	3kHz	20kHz	1.34" (34mm)	8.7 x 3.1 x 1.65"
403	2139.21	AC/DC TRMS	1000A	1000V	1500A	1000V	100k Ω	<40 Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
405	2139.50	AC/DC TRMS	1000A	1000V	1500A	1000V	100k Ω	<40 Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
407	2139.51	AC/DC TRMS	1000A	1000V	1500A	1000V	100k Ω	<40 Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
603	2139.31	AC/DC TRMS	2000A	1000V	3000A	1000V	100k Ω	<40 Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
605	2139.60	AC/DC TRMS	2000A	1000V	3000A	1000V	100k Ω	<40 Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
607	2139.61	AC/DC TRMS	2000A	1000V	3000A	1000V	100k Ω	<40 Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
505	2139.82	AC/DC TRMS	400A	600V	400A	600V	600 Ω	<35 Ω	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 Ω	<40 Ω	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 Ω	<40 Ω	20Hz to 10kHz	10Hz to 10kHz	1.58" (40mm)	9.53 x 2.60 x 1.42"
566*	2139.83	AC TRMS	1 μ A to 100A	0.01 to 600V	—	0.01 to 600V	0.1 Ω to 600k Ω	<45 Ω	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 Ω	Buzzer <100 Ω $\pm$ 25 Ω	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 Ω	<35 Ω	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 Ω	<35 Ω	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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