

CLAMP-ON METERS

670 SERIES

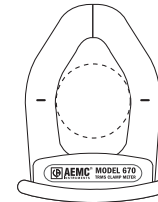
MODELS 670 & 675

Dual display simultaneously measures and displays voltage and current



670

675



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

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 99.5°C	1000° to 1400°C	-40° to 2192°F	-40° to 999.5°C	1000° to 1200°C	-40° to 2192°F
Resolution	0.5°C	1°C	1°F	0.5°C	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					

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.

FEATURES

- Dual display
- Standard size, full function clamp-on meter
- 1000Aac/bc 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	0Ω to 60kΩ	<40Ω	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	60kΩ	<40Ω	3kHz	20kHz	1.34" (34mm)	8.7 x 3.1 x 1.65"
403	2139.21	AC/DC TRMS	1000A	1000V	1500A	1000V	100kΩ	<40Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
405	2139.50	AC/DC TRMS	1000A	1000V	1500A	1000V	100kΩ	<40Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
407	2139.51	AC/DC TRMS	1000A	1000V	1500A	1000V	100kΩ	<40Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
603	2139.31	AC/DC TRMS	2000A	1000V	3000A	1000V	100kΩ	<40Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
605	2139.60	AC/DC TRMS	2000A	1000V	3000A	1000V	100kΩ	<40Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
607	2139.61	AC/DC TRMS	2000A	1000V	3000A	1000V	100kΩ	<40Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
503	2117.22	AC/DC	0.05 to 400A	0.5 to 600V	0.10 to 400A	0.2 to 600V	400Ω	<40Ω	-	-	1.1" (28mm)	7.60 x 1.97 x 1.1"
505	2139.82	AC/DC TRMS	400A	600V	400A	600V	600Ω	<35Ω	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	4000Ω	<40Ω	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	4000Ω	<40Ω	20Hz to 10kHz	10Hz to 10kHz	1.58" (40mm)	9.53 x 2.60 x 1.42"
566*	2139.83	AC TRMS	1μA to 100A	0.01 to 600V	-	0.01 to 600V	0.1Ω to 600kΩ	<45Ω	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 9999Ω	Buzzer <100Ω ± 25Ω	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 10,000Ω	<35Ω	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 9999Ω	<35Ω	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 84