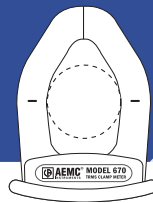


CLAMP-ON METERS

670 SERIES

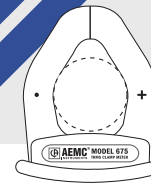
MODELS 670 & 675

Dual display simultaneously measures and displays voltage and current!



MODEL 670

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



MODEL 675

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



SPECIFICATIONS

| MODELS | 670 TRMS | | | 675 TRMS | | |
|----------------------------|---|-----------------|---|---|------------------------|----------------|
| ELECTRICAL | | | | | | |
| AC Current | | | | | | |
| Measuring Range | 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 | 0.1A | |
| Accuracy | ±1.5% of Reading ±5cts (50 to 60Hz) ±2.0% of Reading ±5cts (60 to 500Hz) ±4.5% of Reading ±5cts (500Hz to 3kHz) | | ±1.5% of Reading ±5cts (50 to 60Hz) ±2.0% of Reading ±5cts (60 to 500Hz) ±4.5% of Reading ±5cts (500Hz to 3kHz) | | | |
| DC Current | | | | | | |
| Measuring Range | - | | 0.00 to 99.99A | 100.0 to 999.9A | 1000 to 1400A | |
| Resolution | - | | 0.01A | 0.1A | 1A | |
| Accuracy | - | | ±1.2% of Reading ±5cts | ±2.5% of Reading ±5cts | ±2.5% of Reading ±5cts | |
| AC Voltage | | | | | | |
| Measuring Range | 0.0 to 999.9V | | | 0.0 to 999.9V | | |
| Resolution | 0.1V | | | 0.1V | | |
| Accuracy | ±1.0% of Reading ±5cts (50 to 60Hz) ±1.2% of Reading ±5cts (60 to 500Hz) ±2.5% of Reading ±5cts (500Hz to 3kHz) | | | ±1.0% of Reading ±5cts (50 to 60Hz) ±1.2% of Reading ±5cts (60 to 500Hz) ±2.5% of Reading ±5cts (500Hz to 3kHz) | | |
| Input Resistance | 1MΩ | | | 1MΩ | | |
| DC Voltage | | | | | | |
| Measuring Range | 0.0 to 999.9V | 1000 to 1400V | 0.0 to 999.9V | 1000 to 1400V | | |
| Resolution | 0.1V | 1V | 0.1V | 1V | | |
| Accuracy | ±1% of Reading ±2cts | | ±1% of Reading ±2cts | | | |
| Input Resistance | 1MΩ | | | 1MΩ | | |
| Resistance-Ohms (Ω) | | | | | | |
| Measuring Range | 0.0 to 999.9Ω | 1000 to 9999Ω | 0.0 to 999.9Ω | 1000 to 9999Ω | | |
| Resolution | 0.1Ω | 1Ω | 0.1Ω | 1Ω | | |
| Accuracy | ±1% of Reading ±3cts, 3.3Vdc (Vmax) | | ±1% of Reading ±3cts, 3.3Vdc (Vmax) | | | |
| Continuity (••) | | | | | | |
| Beeper Activation | < 35Ω | | < 35Ω | | | |
| Accuracy | ±1% of Reading ±3cts, 3.3Vdc (Vmax) | | ±1% of Reading ±3cts, 3.3Vdc (Vmax) | | | |
| Frequency (Hz) | | | | | | |
| Function | A - Hz | V - Hz | A - Hz | V - Hz | | |
| Range | 1000Hz | 10,000Hz | 1000Hz | 10,000Hz | | |
| Resolution | 0.1Hz | 1Hz | 0.1Hz | 1Hz | | |
| Accuracy | ±10% of Reading ±2cts | | ±10% of Reading ±2cts | | | |
| Temperature (°C/°F) | | | | | | |
| Measuring Range | -40° to 999.5°C | 1000° to 1200°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) | | | 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 | | | *-14° to 122°F (-25 to 50°C), 80% RH, non-condensing | | |

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 ADC zeroing
- Large, easy-to-read 10,000-count, backlit LCD display
- Includes test leads and soft carrying case

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

PRODUCT INCLUDES

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



| 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) |

