



# AC68C

## TRMS Clamp Type Digital Multimeter

- True RMS
- Top-of-the-line professional clamp DMM
- 8 functions/11 ranges
- AC and DC
- Data and AC Peak Hold
- DC auto zero
- 4000-count
- Carrying case included
- CAT II 600 V, CAT III 300 V rated

### No hassle warranty

*No waiting.*

*No shipping  
charges.*



Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: \$500 MSLP limit)

### General Specifications

|                         |  |
|-------------------------|--|
| Display:                | 3-3/4 digit, LCD, max reading of 3999          |
| Display Update Rate:    | 2/sec, nominal                                 |
| Power:                  | 9 V battery (NEDA 1604, IEC 6F22)              |
| Battery Life:           | 200 hours(Alkaline)                            |
| Operating Temperature:  | 0 °C to + 40 °C < 80 % R.H.                    |
| Storage Temperature:    | - 10 °C to + 60 °C, < 70 % R.H. non-condensing |
| Maximum Jaw Opening:    | 40 mm (1.57")                                  |
| Dimensions (WxHxD):     | 76 x 228 x 39 mm (3" x 9" x 1.5")              |
| Weight (incl. Battery): | 465 grams                                      |
| Warranty:               | One-year                                       |

### Included Accessories

Users Manual, carrying case, test leads

### Optional Accessories

DL243D Basic Test Lead Kit  
DL248D Deluxe Test Lead Kit  
TL35B Test Lead Set with Alligator Clips



## AC68C Clamp Type Digital Multimeter

## Data Sheet

### Specifications (23°C ± 5 °C; < 80 % R.H. non-condensing)

| Function  | Range   | Accuracy                |
|---|---|-------------------------|
| <b>DC Voltage</b>                                   |   |                         |
| Ranges  | 600 V   | ± (0.75 % rdg + 2 dgts) |
| Resolution  | 1 V in 600 V range                                |                         |
| Input Impedance                                     | 10 MΩ   |                         |
| <b>AC Voltage (40-450 Hz)</b>                       |   |                         |
| Range   | 400 V, 600 V                                      | ± (1.2 % rdg + 5 dgts)  |
| Resolution  | 0.1 V in 400 V range                              |                         |
| Input Impedance                                     | 10 MΩ   |                         |
| <b>DC Current</b>                                   |   |                         |
| Ranges  | 400 A, 600 A                                      | ± (2 % rdg + 5 dgts)    |
| Resolution  | 0.1 A in 400 A range                              |                         |
| <b>AC Current (40-450 Hz)</b>                       |   |                         |
| Ranges  | 400 A, 600 A                                      | ± (2 % rdg + 5 dgts)    |
| Resolution  | 0.1 A in 400 A range                              |                         |
| <b>Frequency (Hz), Current and Voltage</b>          |   |                         |
| Ranges  | 4 kHz, 20 kHz                                     | ± (0.5 % rdg + 5 dgts)  |
| Resolution  | 1 Hz in 4 kHz range                               |                         |
| Sensitivity   | 5 A/1 V in 4 kHz range<br>5 A/5 V in 20 kHz range |                         |
| <b>Resistance</b>                                   |   |                         |
| Range   | 4 kΩ  | ± ( 1.0 % rdg + 5 dgts) |
| Resolution  | 1 Ω in 4 kΩ range                                 |                         |
| Open Circuit Volts                                  | 0.5 V DC  |                         |
| Max Short Circuit Current                           | 0.8 mA  |                         |
| <b>Diode Test</b>                                   |   |                         |
|   |   | ± (1.0 % rdg + 2 dgts)  |
| Resolution  | 0.001 V   |                         |
| Open Circuit Volts                                  | 3.2 V DC  |                         |
| Max Short Circuit Current                           | 0.8 mA  |                         |
| <b>Continuity</b>                                   |   |                         |
| Range Threshold                                     | Tone at 40 Ω ± 15 Ω                               |                         |
| Open Circuit Volts                                  | 3.2 V DC  |                         |
| Max Short Circuit Current                           | 0.8 mA  |                         |
| <b>Peak Hold Measurement AC Voltage (40-450 Hz)</b> |   |                         |
| Range   | 400 V, 600 V                                      | ± (1.5 % rdg + 10 dgts) |
| Resolution  | 0.1 V in 400 V range                              |                         |
| Input Impedance                                     | 10 MΩ   |                         |
| <b>Peak Hold Measurement AC Current (40-450 Hz)</b> |   |                         |
| Range   | 400 A, 600 A                                      | ± (2.0 % rdg + 10 dgts) |
| Resolution  | 0.1 A in 400 A range                              |                         |
| <b>Overload Protection</b>                          |   |                         |
| Voltage   | 1000 V DC/750 V AC                                |                         |
| Current   | 800 Amps  |                         |
| Resistance  | 660 V RMS   |                         |
| Diode   | 660 V RMS   |                         |