

## Digital Clamp Meter

## DE-3501/DE-3502 DE-3503 / DE-3505 (RMS)



DE-3505

### FEATURES:

- Resolution 0.01A
- Peak Hold (ACA)
- Data Hold
- Min. / Max. Hold
- Range Hold
- Auto Power Off Selection
- Auto Range & Manual Range
- True RMS (3503 & 3505)
- Synchronize Measurement Of Frequency and ACA or ACV (Frequency Can Be Read During Measure ACA or ACV By Pressing "Select" button)
- Temp. (3502 & 3505)
- High Accuracy

### DIMENSION & WEIGHT:

- 241(L) x 91(W) x 45(H)mm (9.49"x3.58"x1.77")
- Approx. 390g(0.86 lbs.) (Including Batteries)

### ACCESSORIES:

- Battery AM-3 (LR6) AA 1.5 V..... 2
- Instruction Manual..... 1
- Test Lead (black+red)..... 1
- Carrying Case..... 1

### OPTIONAL ACCESSORIES:

- Temperature Probe
  - Temperature Adaptor (NR-38)
  - AC Line Splitter (DE-10ALS)
- \*Applicable to electrical appliances or small current

### TEMP. / HUMIDITY:

- Operation:0°C~50°C (32°F~122°F) Below 80% R.H. (no condensation)
- Storage:-10°C~60°C (14°F~140°F) Below 70% R.H. (no condensation)

### SPECIFICATIONS:

- Clamp Size: ∅ 40mm or 10 x 47mm
- LCD Display:3 3/4 Digits LCD With 4300 Counts
- Sampling Reading Rate:2 Times / Sec. Approx.
- Range:Automatic & Manual For Selection
- Auto Power Off:Approx. 10 Minutes
- Range Over Protection "OL" Display on LCD and Beep
- Low Battery: Display on LCD
- Battery:AM-3 (LR6) AA Alkaline 1.5Vx2
- Applicable Height:Up To 2000m (above sea level)
- Applicable Circuit Voltage:AC 600V or less
- Safety Standard:IEC 61010-1, IEC 61010-2-032 600V CAT III Pollution Degree 2

### MEASUREMENT RANGES:

(23°C ± 5°C, 80% RH MAX.)

\*Accuracy : ± (%rdg + dgt)

\*N/A : not available

\*40~400Hz

Measurement	Range	Resolution	AVG Accuracy		True RMS Accuracy		Maximum Input Current
			DE-3501	DE-3502	DE-3503	DE-3505	
	40A	0.01A	1.5% + 8				1100A
	400A	0.1A	Peak : 2.5% + 30 (Response >1mSec.)				
	1000A	1A	1.0% + 5 Peak : 2% + 30 (Response >1mSec.)				

\*40~400Hz

Measurement	Range	Resolution	AVG Accuracy		True RMS Accuracy		Input Impedance	Maximum Input Voltage
			DE-3501	DE-3502	DE-3503	DE-3505		
	4V	0.001V	1.0% + 5				11MΩ, <50pF	600V rms
	40V	0.01V						
	400V	0.1V						
	600V	1V					10MΩ, <50pF	

Measurement	Range	Resolution	Accuracy				Input Impedance	Maximum Input Voltage
			DE-3501	DE-3502	DE-3503	DE-3505		
	4V	0.001V	0.75% + 2				11MΩ	600V
	40V	0.01V						
	400V	0.1V						
	600V	1V					10MΩ	

Measurement	Range	Resolution	Accuracy				Measuring Current	Open-Loop Voltage	Maximum Input Voltage
			DE-3501	DE-3502	DE-3503	DE-3505			
Ω	400Ω	0.1Ω	0.9% + 2				<1mA	<3.4V	600V
	4kΩ	0.001kΩ							
	40kΩ	0.01kΩ					<0.5mA	<1.0V	
	400kΩ	0.1kΩ					<70μA	<0.7V	
	4MΩ	0.001MΩ					<7μA		
	40MΩ	0.01MΩ					<0.7mA		
			2% + 2	<0.7mA					
			5% + 2	<70nA					

Measurement	Range	Resolution	Accuracy				Open-Loop Voltage	Maximum Input Voltage
			DE-3501	DE-3502	DE-3503	DE-3505		
	400Ω	0.1Ω	The buzzer turns on for resistances low than 50Ω ±25Ω				<3.4V	600V

\*40~400Hz

Measurement	Range	Resolution	AVG Accuracy		True RMS Accuracy		Maximum Input Current
			DE-3501	DE-3502	DE-3503	DE-3505	
Hz	400Hz	0.1Hz	0.5% + 5				1100A
	4000Hz	1Hz					

Measurement	Range	Resolution	Accuracy				Maximum Input Voltage
			DE-3501	DE-3502	DE-3503	DE-3505	
TEMP.	-50°~1100°C (-58°~2010°F)	1°C/2°F	N/A	1.0% + 5	N/A	1.0% + 5	600V
	-50.0°~436.9°C (-58.0°~436.9°F)	0.1°C/0.2°F					

Remarks : The accuracy data is subject to the conductor to be measured at the center of the iron core (clamp jaw)