Digital Clamp Meter

DE-3511/DE-3512
DE-3513 / DE-3515(RMS)

DE-3513

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
- **Over Range Protection** "OL" Display on LCD and Beep
- **Low Battery:** ⊟ Display on LCD
- **Battery:** AM-3 (LR6) AA Alkaline 1.5V x2
- **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

TEMP. / HUMIDITY:

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

MEASUREMENT RANGES:

(23°C ± 5°C, 80% R.H. MAX.)

*Accuracy : ± (%rdg + dgt) *N/A : not available *40~400Hz

Measurement	Range	Resolution	AVG Accuracy DE-3511	AVG Accuracy DE-3512	True RMS Accuracy DE-3513	True RMS Accuracy DE-3515	Maximum Input Current
A ~ (ACA)	40A	0.01A	1.5% + 8 Peak:2.5% + 30(Response>1mSec.)				1100A
	400A	0.1A	1.0% + 5 Peak:2% + 30(Response>1mSec.)				
	1000A	1A					

*40~400Hz

Measurement	Range	Resolution	Accuracy DE-3511	Accuracy DE-3512	Accuracy DE-3513	Accuracy DE-3515	Maximum Input Current
A ⎓ (DCA)	40A	0.01A	1.5% +8				1100A
	400A	0.1A	1.0% +5				
	1000A	1A					

*40~400Hz

Measurement	Range	Resolution	AVG Accuracy DE-3511	AVG Accuracy DE-3512	True RMS Accuracy DE-3513	True RMS Accuracy DE-3515	Input Impedance	Maximum Input Voltage
V ~ (ACV)	4V	0.001V	1.0% +5				11MΩ,<50pF	600V rms
	40V	0.01V					10MΩ,<50pF	
	400V	0.1V						
	600V	1V						

Measurement	Range	Resolution	Accuracy DE-3511	Accuracy DE-3512	Accuracy DE-3513	Accuracy DE-3515	Input Impedance	Maximum Input Voltage
V ⎓ (DCV)	4V	0.001V	0.75% + 2				11MΩ	600V
	40V	0.01V					10MΩ	
	400V	0.1V						
	600V	1V						

Measurement	Range	Resolution	Accuracy DE-3511	Accuracy DE-3512	Accuracy DE-3513	Accuracy DE-3515	Measuring Current	Open-Loop Voltage	Maximum Input Voltage
Ω	400Ω	0.1Ω	0.9% +2				<1mA	<3.4V	600V
	4kΩ	0.001kΩ					<0.5mA	<1.0V	
	40kΩ	0.01kΩ					<70μA	<0.7V	
	400kΩ	0.1kΩ					<7μA		
	4MΩ	0.001MΩ	2% +2				<0.7mA		
	40MΩ	0.01MΩ	5% +2				<70nA		

Measurement	Range	Resolution	Accuracy DE-3511	Accuracy DE-3512	Accuracy DE-3513	Accuracy DE-3515	Open-Loop Voltage	Maximum Input Voltage
•ı)	400Ω	0.1Ω	The buzzer turns on for resistances low than 50Ω ±25Ω				<3.4V	600V

*40~400Hz

Measurement	Range	Resolution	AVG Accuracy DE-3511	AVG Accuracy DE-3512	True RMS Accuracy DE-3513	True RMS Accuracy DE-3515	Maximum Input Current
Hz	400Hz	0.1Hz	0.5% +5				1100A
	4000Hz	1Hz					

Measurement	Range	Resolution	Accuracy DE-3511	Accuracy DE-3512	Accuracy DE-3513	Accuracy DE-3515	Maximum Input Voltage
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 for ACA, DCA & Hz of ACA is subject to the conductor to be measured at the center of the iron core (clamp jaw)

FEATURES:

- Resolution 0.01A
- Peak Hold (ACA & DCA)
- Data Hold
- Min. / Max. Hold
- Range Hold
- Auto Power Off Selection
- Auto Range & Manual Range
- One Touch To Zero Set (DCA)
- True RMS (3513 & 3515)
- Synchronize Measurement Of Frequency and ACA or ACV (Frequency Can Be Read During Measure ACA or ACV By Pressing "Select" button)
- Temp. (DE-3512 & DE-3515)
- High Accuracy

DIMENSION & WEIGHT:

- 241(L)x91(W)x45(H)mm (9.49"x3.58"x1.77")
- Approx. 410g(0.9 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

Appearance and specification may be revised if needed without notice in prior.