

AC Mini Digital Clamp Meter

DE-3103/DE-3104

DE-3103R/DE-3104R(RMS)



DE-3103



DE-3104

FEATURES :

- Auto Range
- Auto Power Off
- True RMS(DE-3103R/DE-3104R)
- MAX Hold
- Data Hold (DE-3104,DE-3104R)
- 600A/600V Max.
- Mini Size
- High Accuracy

DIMENSION & WEIGHT:

- 189(L) x 71(W) x 37(H)mm (7.44"x2.80"x1.46")
- DE-3103/DE-3103R : Approx. 200g(0.44 lbs.)
- DE-3104/DE-3104R : Approx. 190g(0.42 lbs.) (Including Batteries)

ACCESSORIES:

- Battery AAA 1.5V.....2
- Instruction Manual.....1
- Test Leads(red+black) for DE-3103/DE-3103R.....1
- Carrying Case.....1

OPTIONAL ACCESSORIES:

- AC Line Splitter (DE-10ALS)
- *Applicable to electrical appliances or small current

SPECIFICATIONS:

- Clamp Size:∅30mm or 10 x 35mm
- LCD Display:3 1/2 Digits LCD With 2000 Counts
- Sampling Reading Rate:Approx. 3 Times / Sec.
- Range:Automatic
- Auto Power Off:Approx. 15 Minutes
- Low Battery: Display on LCD
- Battery:AAA Battery 1.5Vx2
- Battery Life:Approx. 240 Hours At ACA
- 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 condensation)

MEASUREMENT RANGES: (23°C ± 5°C, 80% R.H. MAX.)

*Accuracy: ± (%rdg+dgt) *N/A: not available *50~400Hz

Measurement	Range	Resolution	AVG		RMS		Accuracy
			DE-3103	DE-3104	DE-3103R	DE-3104R	
$\tilde{\wedge}$ (ACA)	200A	0.1A	●	●	●	●	1.9% + 10
	600A	1A	●	●	●	●	1.9% + 5

*40~500Hz

Measurement	Range	Resolution	DE-3103	DE-3104	Accuracy	Input Impedance
			DE-3103R (RMS)	DE-3104R (RMS)		
\tilde{V} (ACV)	2V	0.001V	●	N/A	1.5% + 10	Approx. 11MΩ
	20V	0.01V	●			
	200V	0.1V	●		1.5% + 5	Approx. 10MΩ
	600V	1V	●			

Measurement	Range	Resolution	DE-3103	DE-3104	Accuracy	Input Impedance
			DE-3103R	DE-3104R		
$\underline{\underline{V}}$ (DCV)	200mV	0.1mV	●	N/A	0.7% + 3	≥100MΩ
	2V	0.001V	●			
	20V	0.01V	●		1.3% + 3	Approx. 11MΩ
	200V	0.1V	●			
	600V	1V	●			

Measurement	Range	Resolution	DE-3103	DE-3104	Accuracy	Open-Loop Voltage
			DE-3103R	DE-3104R		
Ω	200Ω	0.1Ω	●	N/A	1.5% + 5	Approx > 0.4V
	2kΩ	0.001kΩ	●			
	20kΩ	0.01kΩ	●			
	200kΩ	0.1kΩ	●		5% + 5	
	2MΩ	0.001MΩ	●			
	20MΩ	0.01MΩ	●			

Measurement	Range	Resolution	DE-3103	DE-3104	Accuracy	Open-Loop Voltage
			DE-3103R	DE-3104R		
\rightarrow (DIODE)	2V	0.001V	●	N/A	10% + 5	Approx 1.5V

Measurement	Range	Resolution	DE-3103	DE-3104	Accuracy	Open-Loop Voltage
			DE-3103R	DE-3104R		
$\bullet\bullet$ (BUZZER)	200Ω	0.1Ω	●	N/A	The buzzer turns on for resistances low than 60Ω ± 20Ω	0.4V

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