

AC/DC LEAKAGE CLAMP METER

VA 324



By Rishabh



The VA 324 AC/DC Leakage Clamp Meter is a high-precision, portable instrument designed for accurate leakage detection up to 100A AC/DC with a sensitive 1mA resolution. Featuring True RMS and VFC mode to filter electrical noise, this 600V CAT II and 300V CAT III safety-rated meter includes a 17mm jaw opening and a lightweight 0.19kg design built for navigating tight, high-density wiring panels.

Basic Function		Range	Minimum Resolution	Accuracy	
DC Voltage(V)	V	200.00mV	0.01mV	±(0.7%+10dig)	
		2.0000V	0.0001V	±(0.5%+5dig)	
		20.000V	0.001V		
		200.00V	0.01V		
		600.0V	0.1V		
AC Voltage(V)	V	2.0000V	0.0001V	VRMS frequency range: 40Hz-1000Hz	±(0.8%+10dig)VFC mode± (4%+3)
		20.000V	0.001V		
		200.00V	0.01V		
		600.0V	0.1V		
DC Current(A)	A	2.0000A	0.001A	±(2%+8dig)	
		20.000A	0.01A	±(2%+3dig)	
		100.00A	0.1A		
AC Current(A)	A	2.0000A	0.001A	IRMS frequency range: 40Hz-1000Hz	±(3%+10dig) VFC mode± (4%+10)
		20.000A	0.01A		±(2.5%+5dig) VFC mode± (4%+10)
		100.00A	0.1A		

Resistance (Ω)	200.00Ω	0.01Ω	±(0.8%+10dig)
	2.0000kΩ	0.0001kΩ	±(0.5%+10dig)
	20.000kΩ	0.001kΩ	
	200.00kΩ	0.01KΩ	
	2.0000MΩ	0.0001MΩ	
	20.000MΩ	0.001MΩ	±(1%+10dig)
	200.00MΩ	0.01MΩ	±(5.0%+10dig)
Capacitance(F)	2.000nF	0.001nF	±(4.0%+10dig)
	20.00nF	0.01nF	±(3.0%+10dig)
	200.0nF	0.1nF	
	2.000μF	0.001uF	
	20.00μF	0.01uF	
	200.0μF	0.1uF	
	2.000mF	0.001mF	
	20.00mF	0.01mF	
Frequency (Hz)	200.00Hz	0.01Hz	±(0.1%+5dig)
	2.0000kHz	0.0001kHz	
	20.000kHz	0.001kHz	
	200.00kHz	0.01kHz	
	2.0000MHz	0.0001MHz	
	20.000MHz	0.001MHz	
Duty Cycle(%)	0.1%-99.9% (Typical Value:Vrms=1V,f=1kHz)	0.10%	±(1.2%+3dig)
	0.1%-99.9%(≥1kHz)		±(2.5%+3dig)

Characteristics	Description
Maximum Reading	19999
Frequency (Hz)	(40-1000)Hz
Numerical Value Conversion Rate	3 times/second
Automatic Range	√/(Current excluded)
Opening Sizes	17mm
True Virtual Value	√
VFC	√
Numeric Data Retention	√
Zeroing Measurement	√
LCD Backlight	√
Automatic Shutdown	√
Buzzer ON/ OFF	√
NCV function	√
Low-Voltage Indication	√
Input Protection	√
Input Impedance	≥10MΩ
Over-Range Warm	√

Characteristics	Description
Battery	3V(1.5V×2)AAA Alkaline battery
LCD Sizes	40mm*20mm
Machine Weight	0.19kg
Machine Dimensions	181.26mm*60.3mm*32mm
Working Temperature	0℃~40℃
Storage Temperature	-10℃~60℃
Relative Humidity	≤80%
Altitude	Operating: 3,000 meters Non-operating: 15,000 meters
Measurement Category	600V CAT II and 300V CAT III
Test Standard	IEC 61010-1 EMI/EMC (IEC 61326)

Note:

- Basic conditions: Ambient temperature: 18 °C~28 °C; relative humidity: not more than 80%.
- During AC voltage/ current and capacitance measurement, the measurement accuracy shall be from 5% to 100% range.