ELECTRICAL TESTER

Multi-Function LCR Meter With USB VA520 / VA520B

VA520/VA520B

CE RoHS WEEE COMPLIANT AAAx6

This multi-function LCR is a portable instrument designed with microprocessor control and low power consumption. It can measure 6 basic parameters: inductance L, capacitance C, AC resistance R, DC resistance DCR, dissipation factor D and quality factor Q. The instrument can easily communicate with PC and realize remote control through USB interface.

With battery external power supply, the meter is ideal for field and portable applications, such as component inspection at fixed place, and immediate measurement by buyer and maintenance personnel.

Specifications

		VA520 / VA520B	
Parameter	Primary	DCR: DC Resistance	
		Ls/Cs: series inductance / capacitance	
		Lp/Cp: parallel inductance / capacitance	
	Secondary	θ:phase angel	
		D: dissipation factor	
		ESR: equivalent series resistance	
		Q: quality factor	
		Rp: equivalent parallel resistance	
Measurement	L	100/120	20mH~20KH
		1 KHz	2000μH~2000H
		10 KHz	200μH~20H
		100 KHz	20μH~200mH
	C	100/120	20nF~20mF
		1 KHz	2000pF~2mF
		10 KHz	200pF~200μF
		100 KHz	200pF~20μF
	R	100/120	200Ω~200MΩ
		1 KHz	20Ω~200MΩ
		10 KHz	20Ω~20MΩ
		100 KHz	20Ω~2MΩ
		DCR	200~200M
		D/Q	0.001~1999
		θ	0.00°~±180.0°
Basic Accuracy		0.30%	
Resolution		0.01%	
Frequency		100/120/1K/10K/100KHz	
Display		Digital + analog bar	
Display Counts		19,999/1,999 Dual LCD	
Test Level		0.6Vrms	
Range Mode		Auto and Hold	
Equivalent Circuit		Parallel and Series	
Calibration Function		Open / Short	
Interface		Mini-USB	
Measurement Speed		Appx. 1.2 times/second	
Measurement Terminal		4 – terminal	
Power		AAA*6 Battery or External power supply	
Auto Power off		5 min.(with batttery)	
Operating Environment	Temerature	0℃ ~40℃	
	Humudity	90%RH (40℃ ,no condensation)	
Storage Temperature		-25℃ ~50℃	

Feures

	VA520	VA520B
Auto LCR check and measurement	√	√
Analog bar display	√	√
Automatic power off	√	√
Mini-USB interface		√
Sorting function	√	√
Relative measurement	√	√
Data hold	√	√