

Model KM 520B

FEATURES :

- Auto LCR smart check and measurement
- Data hold
- 19, 999 / 1, 999 counts dual LCD display
- Back light, full angle for LCD display
- **Basic accuracy** : 0.3% with resolution of 0.01%
- 4 - terminal measurement configuration
- Analog bar display
- Automatic power off
- Measurement frequency up to 100KHz
- Battery and external power supply
- Mini - USB interface (KM 520B only)
- Battery voltage indication.
- Sorting function
- Relative measurement



ELECTRICAL SPECIFICATIONS- KM 520B

Preliminary Data

Parameter	Primary	DCR : DC resistance	
		Ls / Cs : series inductance / capacitance	
		Lc / Cp : Parallel inductance / capacitance	
Secondary		: phase angle	
		D : dissipation factor	
		ESR : equivalent series resistance	
		Q : quality factor	
		Rp : equivalent parallel resistance	
Measurement range	L	100 / 120	20mH ~ 20KH
		1KHz	2000 H ~ 2000H
		10K	200 H ~ 20H
	C	100 KHz	20 H ~ 200mH
		100 / 120	20nF ~ 20mF
		1 KHz	2000pF ~ 2mF
		10 K	200pF ~ 200 F
		100 KHz	200pF ~ 20 F
		100 / 120	200 ~ 200M
	R	1 KHz	20 ~ 200M
		10 K	20 ~ 20M
		100 KHz	20 ~ 2M

Measurement range		DCR	200 ~ 200M
	R	D / Q	0.001 ~ 1999
			0.00° ~ ± 180.0°
Frequency		100 / 120 / 1K / 10K / 100KHz	
Display		Dual display + analog bar display	
Test level		0.6Vrms	
Range mode		Auto and Hold	
Equivalent circuit		Parallel and series	
Calibration function		Open / Short	
Interface		Mini - Usb	
Measurement speed		Approx . 1.2 times / second	
Measurement terminal		4 - terminal	
Basic accuracy		0.3%	
Power		AAA * 6 battery or external power supply	
Auto power off		5 min (with batteries)	
Operating environment	temperature	0°C ~ 40°C	
	humidity	90% RH (40°C, no condensation)	
Storage Temperature		-25°C ~ 50°C	

Impedance accuracy Ae

The below - listed accuracies are guaranteed by the meter with normal use under the operating temperature of 18-28 and relative humidity less than 80%

Z	0.1 - 1	1 - 10	10 - 100k	100k - 1M	1M - 20 M	20M - 200 M	Remarks
DCR	1.0% + 5 d	0.5% + 3 d	0.3% + 2 d	0.5% + 3 d	1.0% + 5 d	2.0% + 5 d	D < 0.1
100 / 120HZ	1.0% + 5 d	0.5% + 3 d	0.3% + 2 d	0.5% + 3 d	1.0% + 5 d	2.0% + 5 d	
1kHz	1.0% + 5 d	0.5% + 3 d	0.3% + 2 d	0.5% + 3 d	1.0% + 5 d	5.0% + 5 d	
10kHz	1.0% + 5 d	0.5% + 3 d	0.3% + 2 d	0.5% + 3 d	2.0% + 5 d	N / A	
100kHz	2.0% + 5 d	1.0% + 5 d	0.5% + 3 d	1.0% + 5 d	2.0% + 5 d (1M - 2M)		

All Specifications are subject to change without prior notice