

4080/4082



Technical data

Handheld LCR meter	4080	4082
Testing frequency	100Hz, 120Hz, 1KHz, 10KHz, 40KHz, 100KHz	100Hz-100KHz adjustable, step from 1Hz
Basic accuracy	0.3%	0.2%
Electrolytic capacitor mode	✓	✓
DCR mode	×	✓
Bias Voltage	×	0-500mV can be adjustable, step from 1mV
Electric level	0.6Vrms	0-0.7V adjustable
Screen	2.8 inches TFT LCD	
Digits display	Main parameter: 5 digits; auxiliary parameter: 5 digits	
Measuring parameters		
Main parameter	L/C/R/Z	
Auxiliary parameter	X/D/Q/ESR	
Measuring Range	(L) 0-2000H	
Measuring Range	(C) 0-20mF	
Measuring Range	(R) 0-20MΩ	
Measuring speed	1 time/s (slow), 2 times/s (moderate), 4 times/s (fast)	
Calibration function	Open circuit calibration, short circuit calibration	
Filtering function	Limit scope 1%~50% can be set; 1%, 5%, 10%, 20% are the fix points	
errors measurement	is use for comparing the percent errors between components and nominal value, meanwhile display	
others	Backlight luminance can be adjustable; USB device and auto power off can be set	
Standard Accessories	Mini-USB cable; power adapter; short-circuit plate; Kelvin test fixture Lithium battery with large capacity	

4091A/4091B/4091C



4090A/4090B/4090C



Technical data

LCR meter	4090A	4090B	4090C	4091A	4091B	4091C
Testing frequency	10 points (100, 120, 200, 400, 800, 1K, 2K, 4K, 8K, 10K)	12 points (100, 120, 200, 400, 800, 1K, 2K, 4K, 8K, 10K, 15K, 20K)	16 points (100, 120, 200, 400, 800, 1K, 2K, 4K, 8K, 10K, 15K, 20K, 40K, 50K, 80K, 100K)	10~10KHz continuous adjust, stepping: 1Hz	10~20KHz continuous adjust, stepping: 1Hz	10~100KHz continuous adjust, stepping: 1Hz
Screen	3.5 inches TFT LCD					
Digits display	Main parameter: 5 digits; auxiliary parameter: 5 digits					
Measuring parameters	Main parameter: L/C/R/Z; auxiliary parameter: X/D/Q/ESR					
Measuring Range (L)	0.01 μH - 9999H					
Measuring Range (C)	0.01pF - 99.999mF					
Measuring Range (R)	0.0001Ω - 99.999MΩ					
Basic accuracy	0.2%					
Measuring speed	2 times/s (slow), 4 times/s (moderate), 8 times/s (fast)					
Bias Voltage	0-1500mV can be adjustable, stepping: 1mV					
Calibration function	Open circuit calibration, short circuit calibration					
Filtering function	Limit scope -50%~+50% can be set; 1%, 5%, 10%, 20% are the fix points					
Interface	Standard accessories RS232(or 485), USB Device, Handle, optional accessories GPIB, USB host					
Others	DCR and electrolytic capacitor measuring mode are available; Backlight luminance can be adjustable, Chinese or English mode are optional					