

MIC-4070D

HAND-HELD LCR METER

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



The MIC 4070D is an advanced hand-held digital LCR Meter with the ability to measure very low resistance with the 2Ω range (1m Ω resolution) and high inductances with 200H range and high capacitances with 20,000 μ F range.

MIC-4070D Features

- 0.1 μ H to 200H Inductance Measurement
- 0.1pF to 20,000 μ F Capacitance Measurement
- 1M Ω to 20M Ω Resistance Measurement
- Dissipation Factor Measurement
- Zero Adjustment
- Quick Responding of Measurement

Specifications

MEASUREMENT RANGE & ACCURACY

Capacitance

Range	Accuracy	Resolution	Test Condition
200pf	1%+2	0.1pf	Paralled Mode 1KHz 0.5Vrms
2nf		1pf	
20nf		10pf	
200nf		100pf	
2 μ		1000pf	
20 μ f	2%+10	0.01 μ f	Series Mode 120Hz, 1mArms
200 μ f		0.1mf	Series Mode 120 Hz, 10mArms
2mf		1 μ f	
20mf		10 μ f	

Dissipation Factor

Range		Accuracy		
	2000pf	$2\text{nf} \leq C_x \leq 2\mu\text{f}$	μ	20mf
0 ~ 1.999	N.S	$1\% + 10 + \frac{2000}{C_x}$	$2\% + 20 + \frac{2000}{C_x}$	N.S

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Range	Accuracy	Resolution	Test Condition
200μH	2%+2	0.1μH	Series Mode 10mArms, 1KHz
2mH	1%+2	1μH	
20mH		10μH	
200mH		100μH	
2H	2%+2	1mH	Parallel Mode 120Hz, 0.5Vrms
20H		10mH	
200H		100mH	

Range	Accuracy	
0~1.999	$Lx \leq 200mH$	$200mH < Lx < 200H$
	$1\% + 10 + \frac{2000}{Cx}$	$2\% + 20 + \frac{2000}{Lx}$

Range	Accuracy	Resolution	Test Condition
2Ω	1%+2	1mΩ	Series Mode 1KHz 10mArms
20Ω		10mΩ	
200Ω		100mΩ	
2KΩ		1Ω	
20KΩ		10Ω	
200KΩ		100Ω	
2MΩ	2%+2	1KΩ	Parallel Mode 1KHz, 0.5Vrms
20MΩ		10KΩ	

_ (% of reading + number of digits) and is applied from 10 to 100% of full scale range in parallel mode measurements.