

LCR-4090Q

INDUCTANCE (L) AND QUALITY FACTOR (Q)

Range	Display Range	Accuracy		Equi-valent Mode	
		Le	De*		
100Hz/120Hz	1000H	400.0H - 1000.0H	1.0%of rdg + 3 digits	0.0100	Parallel
	400H	40.00H - 399.99H	0.35%of rdg + 2 digits	0.0035	Parallel
	40H	4.000H - 39.999H	0.1%of rdg + 2 digits	0.0010	Parallel
	4H	400.0mH - 3.999H			-
	400mH	40.00mH-399.99mH	0.45%of rdg + 2 digits	0.0045	Series
	40mH	4.000mH - 39.999mH			Series
1kHz	4mH	0μH - 3.999mH	1.40%of rdg + 5 digits	-	Series
	100H	40.00H - 100.00H	1.00%of rdg + 3 digits	0.0100	Parallel
	40H	4.000H - 39.999H	0.35%of rdg + 2 digits	0.0035	Parallel
	4H	400.0mH - 3.9999H	0.1%of rdg + 2 digits	0.0010	Parallel
	400mH	40.00mH-399.99mH			-
	40mH	4.000mH - 39.999mH	0.45%of rdg + 2 digits	0.0045	Series
10kHz	4mH	400.0μH - 3.9999mH	1.40%of rdg + 5 digits	-	Series
	400μH	0.0μH - 399.9μH	0.80%of rdg + 3 digits	0.0080	Parallel
	1000mH	400.0mH- 999.99mH	0.35%of rdg + 2 digits	0.0035	Parallel
	400mH	40.00mH-399.99mH	0.1%of rdg + 2 digits	0.0010	-
	40mH	4.000mH - 39.999mH	0.30%of rdg + 2 digits	0.0030	Series
	400μH	40.00μH - 399.99H	0.45%of rdg + 2 digits	0.0045	Series
40μH	0.00μH - 39.99μH	1.40%of rdg + 2 digits	-	Series	

CAPACITANCE(C) AND DISSIPATION (D)

Range	Display Range	Accuracy		Equi-valent Mode	
		Le	De*		
100Hz/120Hz	200mF	4.000mF - 20.000mF	5.00%of rdg + 5 digits	±0.0500	Series
	4mF	400.0μF - 3.9999mF	1.00%of rdg + 3 digits	±0.0100	Series
	400μF	40.00μF - 399.99μF	0.35%of rdg + 2 digits	±0.0035	Series
	40μF	4.000μF - 39.999μF	0.1%of rdg + 2 digits	±0.0010	Series
	4μF	400.0nF - 3.9999μF			-
	400nF	40.00nF - 399.99nF	0.35%of rdg + 2 digits	±0.0035	Parallel
1kHz	4nF	4.000nF - 39.999nF	1.25%of rdg + 5 digits	-	Parallel
	1000μF	400.0μF - 999.99μF	2.00%of rdg + 5 digits	±0.0200	Series
	400μF	40.00μF - 399.99μF	1.00%of rdg + 3 digits	±0.0100	Series
	40μF	4.000μF - 39.999μF	0.35%of rdg + 2 digits	±0.0035	Series
	4μF	400.0nF - 3.9999μF	0.1%of rdg + 2 digits	±0.0010	Series
	400nF	40.00nF - 399.99nF			-
40nF	4.000nF - 39.999nF	0.35%of rdg + 3 digits	±0.0035	Parallel	
10kHz	4nF	400.0pF - 3.9999nF	1.25%of rdg + 5 digits	-	Parallel
	400pF	0.0pF - 39.99nF	3.00%of rdg + 5 digits	±0.0300	Series
	100μF	40.00μF - 100.00μF	1.50%of rdg + 3 digits	±0.0150	Series
	40μF	4.000μF - 39.999μF	0.35%of rdg + 2 digits	±0.0035	Series
	400nF	40.00nF - 399.99nF	0.1%of rdg + 2 digits	±0.0010	Series
	40nF	4.000nF - 39.999nF			-
4nF	400.0pF - 3.9999nF	0.35%of rdg + 3 digits	±0.0035	Parallel	
400pF	40.00pF - 399.99pF	1.25%of rdg + 5 digits	-	Parallel	
40pF	0.00pF - 39.99pF				

IMPEDANCE (Z) AND PHASE ANGLE (Φ)

Range	Display Range	Accuracy		Equi-valent Mode	
		Le	De*		
100Hz/10kHz	10MΩ	4.000MΩ - 40.000MΩ	3.00%of rdg + 5 digits	±1.75°	Parallel
	4MΩ	400.0KΩ - 3.999MΩ	1.25%of rdg + 3 digits	±0.75°	Parallel
	400KΩ	40.00KΩ - 399.99KΩ	0.35%of rdg + 2 digits	±0.25°	Parallel
	40KΩ	4.000KΩ - 39.999KΩ	0.1%of rdg + 2 digits	±0.10°	Parallel
	4KΩ	400.0Ω - 3.9999kΩ			-
	400Ω	40.00Ω - 399.99Ω	0.35%of rdg + 2 digits	±0.25°	Series
	40Ω	4.000Ω - 39.999Ω	1.00%of rdg + 3 digits	±0.60°	Series
	4Ω	0.4000Ω - 3.9999Ω	3.00%of rdg + 5 digits	-	Series



Features:

- Test signal frequency upto 10KHz
- Measurement up to 10 meas/sec
- Ultra - Low Power consumption
- Data Hold, Max / Min / Average Recording
- Standard Mini - USB Interface, SCPI Compatible.
- Large Character display with White backlight

- Standard Accessories : Manual, Short Circuit Plate, Rechargeable Battery, AC Adapter, 4 Terminal Kelvin Test Tweezers, Mini USB Communication Cable with Software
- Dimension : 192(H) x 93(W) x 44(D)mm

