

4½ DIGIT DUAL DISPLAY AUTO-RANGING L-C-R METER WITH Q/D/R FUNCTION & PC INTERFACE

SPECIAL FEATURES :

- Dual Displays provide quick tested results readouts, with L.C.R. display values up to 19999 counts and Q.D.R. display values up to 9999 counts
- Test 4 parameters : Ls+(Q,D,Rs), Lp+(Q,D,Rp), Cs+(Q,D,Rs), Cp+(Q,D,Rp)
- RS-232 PC Interface
- External DC Adapter functions
- Set Hi / Lo limits using absolute values or percentage limits.

FEATURES :

- Backlight Display.
- Damaged or open fuse detection function.
- Strong Protective Holster.
- Max / Min / Avg recording.
- Auto-Power Off
- Built-in test fixture or use external Test Leads
- Relative mode with zero reference or user supplied reference.
- Automatic blown fuse indication.

GENERAL SPECIFICATIONS :

- * **Basic Accuracy** : $\pm 0.5\%$ for resistance, $\pm 0.7\%$ for Inductance & $\pm 0.7\%$ Capacitance
- * **Display** :
L/C/R - 4½ digits, max. reading of 19999.
Q/D/R - 4 digits, max. reading of 9999.
(Auto range).
- * **Parameter** :
Ls+(Q,D,Rs), Lp+(Q,D,Rp), Cs+(Q,D,Rs)
- * **Measurement** : Cp+(Q,D,Rp)
- * **Overload indication** : "OL" is displayed.
- * **Test Frequency** : 1KHz and 120Hz.
- * **Range Mode** : Auto and Manual.
- * **Measurement rate** : Approx. 1 time per second, nominal
- * **Operating Temperature** : $0^{\circ}\text{C} \sim 50^{\circ}\text{C}$ at $<80\%$ R.H.
- * **Storage Temperature** : $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$ at $<80\%$ R.H. with battery removed.
- * **Power** : Single standard 9V battery.
- * **External Power** : Min.12V, Max.15V & at least minimum 50mA.
- * **Dimensions** : 192(H) x 91(W) x 52.5mm(D)
- * **Weight** : 365g. (including battery & holster)

3 FUNCTION 24 RANGES

Model LCR 459



ACCESSORIES :

Test leads pair, Carrying Case, User's Manual, One Spare fuse & 9V Battery & PC interface software CD

ELECTRICAL SPECIFICATIONS- LCR 459

Accuracy is $\pm$ (% reading digits + counts)

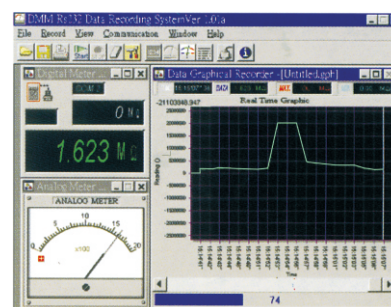
INDUCTANCE, CAPACITANCE & RESISTANCE

	Range		Resolution		Accuracy	
					1kHz	120Hz
L	10000	H	1	H	Not specified	Not specified
	2000	H	100	mH		
	200	H	10	mH	$\pm(1.0\%+5)$	$\pm(0.7\%+5)$
	20	H	1	mH	$\pm(0.7\%+5)$	$\pm(0.7\%+5)$
	2000	mH	100	H	$\pm(0.7\%+5)$	$\pm(0.7\%+5)$
	200	mH	10	H	$\pm(0.7\%+5)$	$\pm(1.0\%+5)$
	20	mH	1	H	$\pm(1.2\%+5)$	$\pm(2.0\%+5)$
	2000	H	0.1	H	$\pm(2.0\%+5)$	
C	20	mF	1	F	$\pm(5.0\%+5)$	$\pm(5.0\%+5)$
	2000	F	100	nF		
	200	F	10	nF	$\pm(1.0\%+5)$	$\pm(0.7\%+3)$
	20	F	1	nF	$\pm(0.7\%+3)$	$\pm(0.7\%+3)$
	2000	nF	100	pF	$\pm(0.7\%+3)$	$\pm(0.7\%+3)$
	200	nF	10	pF	$\pm(0.7\%+3)$	$\pm(0.7\%+5)$
	20	nF	1	pF	$\pm(0.7\%+5)$	$\pm(1.0\%+5)$
	2000	pF	0.1	pF	$\pm(1.0\%+5)$	
R	10	M	1	K	$\pm(2.0\%+8)$	
	2	M	100		$\pm(0.5\%+5)$	
	200	K	10		$\pm(0.5\%+3)$	
	20	K	1		$\pm(0.5\%+3)$	
	2	K	100	m	$\pm(0.5\%+3)$	
	200		10	m	$\pm(0.8\%+5)$	
	20		1	m	$\pm(1.2\%+8)$	

In 20 range, effective reading is over 20 counts.



Software CD



Software



Software Cable

All Specifications are subject to change without prior notice