


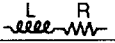
2.0 SPECIFICATIONS

2.1 General Specifications

	FULL SCALE RANGES	NO. OF RANGES	BASIC ACCURACY
CAPACITANCE	200.0pF to 200.0 μ F (20,000 μ F) ¹	7	0.25% \pm 1LSD \pm 1% of G reading
INDUCTANCE	200.0 μ H to 200.0H	7	0.25% \pm 1LSD \pm 1% of R reading
RESISTANCE	2.000 Ω to 2000.k Ω (1000M Ω) ²	7	0.25% \pm 1LSD \pm 0.5% of L reading
CONDUCTANCE	2.000 μ S to 2000.mS	7	0.25% \pm 1LSD \pm 0.5% of C reading
DISSIPATION (D or 1/Q)	2.000	na	1% \pm 2LSD for C or L >200 counts
DC VOLTAGE	200.0mV to 1000.V	5	0.1% \pm 1LSD
DC CURRENT	200.0 μ A to 2000.mA	5	0.2% \pm 1LSD
RMS VOLTAGE	2.000mV to 750.V	5	0.5% \pm 2LSD (Basic); 50 Hz to 20 kHz
RMS CURRENT	200.0 μ A to 2000.mA	5	0.5% \pm 2LSD (Basic); 50 Hz to 20kHz
FREQUENCY (IMF-600F)	200.0Hz to 20.00MHz ³	6	0.1% \pm 1LSD

1. Extend by using the Inductance Function 2. Extend by using the Conductance Function

3. Resolution for all but the 200.0 Hz range may be extended to 4-1/2 digits by going to the next lower range.

TEST FREQUENCY	1 kHz for impedance functions.
IMPEDANCE MODELS	C  G or 
TEST VOLTAGE	C&G: Ranges (1-6) 1.4 VRMS; Range (7) 0.14 VRMS.
TEST CURRENT	L&R: Range (1) 110 mA; Ranges (2 & 3) 11 mA; Range (4) 1.1mA; Range (5) 110 μ A; Range (6) 11 μ A; Range (7) 1.1 μ A.
BIAS	Up to 100 VDC may be applied in series with unknown impedance.
INPUT IMPEDANCE	10M Ω on voltage functions.
BURDEN VOLTAGE	0.3V maximum on all ranges, except 1.4V maximum on 2A range.
READING RATE	4 measurements per second.
DISPLAY	3 $\frac{1}{2}$ digit LED, with corresponding annunciator. All decimal points on indicate overrange or illegal condition.
OUTPUTS	ANALOG: L,R,C,G,V, or I plus D (or 1/Q) if applicable, scaled at 1V/1000 counts. DIGITAL: BCD output representing signed 3 $\frac{1}{2}$ digit meter reading (Optional).
TEST TERMINALS	4-terminal shielded Kelvin test leads.
OPERATING CONTROLS	Push button ON-OFF switch, rotary range select switch, and push button function select switches.
INPUT PROTECTION	VOLTAGE: 1000 V peak. COMMON MODE VOLTAGE (LO term to GND):500 V peak. CURRENT: 2A fuse protected. ALL OTHERS: 220 VRMS.
POWER REQUIREMENTS	105-125 V or 210-250 V; 50-60Hz; 5 W.
PHYSICAL	DIMENSIONS: 8.5"Wx9.25"Dx 4.44"H (216mm x 235mm x 113mm). WEIGHT: 6 lbs (2.7 kg).
ACCESSORIES SUPPLIED	4-terminal shielded Kelvin test leads and instruction manual; unit comes with carrying handle which serves as a tilt stand.

TEST CONDITIONS: Performance specifications apply

- 1) after correction for test lead zero reading
- 2) after 10 minute warmup
- 3) between 15-35 $^{\circ}$ C