

SPECIFICATIONS

Accuracy	is specified for a period of one year, after calibration, at 18°C (64°F to 82°F) with relative humidity in 50% AC couplings are de-coupled, average responding, corresponding RMS value of a sine wave $\pm 0.1\%$.
Accuracy Specifications are given as:	
$\pm [$ % of reading $] \times [$ number of least significant digits]	
Maximum Voltage Between any Terminal and Earth Ground	1000V dc, 750V ac (insulated)
Fuse Protection	300 mA, 250V Fast Fuse 10A, 600V Fast Fuse
Display	Digital: 3,200 counts, update 5.2 E/sec Analog: 32 segments, update 25 sec
Response Time of Digital Display	$V_{AC} < 2.5$ $V_{DC} < 1.5$ $I_2 < 1.5$ to 320 mAh < 2.5 to 3.2 MA < 15 s to 32 MA
Operating Temperature	-30°C to 50°C
Storage Temperature	-40°C to 50°C
Temperature Coefficient	$0.1 \times [\text{specified accuracy}]^{\circ}\text{C}$ ($< 18^{\circ}\text{C}$ or $> 28^{\circ}\text{C}$)

Electromagnetic Compatibility - In an RF Field of 3 V/m on all ranges

and functions:

Total Accuracy = Specified Accuracy + 1.1% of range

Relative Humidity	10% to 90% (0°C to 35°C) 0% to 70% (35°C to 50°C) 0% to 80% (0°C to 45°C) 0% to 70% (45°C to 60°C)
Except 32 MA Range:	
32 MA Range Only:	
Battery Type	9V NEDA 1604 or GP22 or 06GP
Battery Life	2000 hrs typical with alkaline 1600 hrs typical with carbon zinc 4000 hr. with Ni-Cd
Continuity Beeper	
Shock, Vibration	Per MIL-T PR900 for a Sh惊 G, Class 2 Instrument
Size (HxWxL)	6.0 in x 2.5 in x 16.6 cm (15.2 in x 2.95 in x 6.5 in)
Weight	2.4kg (12 oz)
Safety	Designed to Protection Class II per IEC 348, ANSI/ISA-S88, UL 1244, and CSA C22.2 No. 231

Function	Range	Resolution	Accuracy	Burden Voltage (Typical)	Function Protection	Overload Protection	Common Mode Rejection (1 kΩ Unbalance)	Normal Mode Rejection
V ~ 45-100 Hz, 2-200V AC	0.001V	±(2%+2)	Not Applicable		V = 1000V dc, 50V ac rms (line)	>10 MΩ, <50 pF	>120 dB at 50 Hz or 60 Hz	>80 dB at 50 Hz or 60 Hz
Hf, 3.2V/ring, Other range 32.00V	0.01V	±(2%+2)	Not Applicable		mV = 500V dc 50V ac rms (line)	>10 MΩ, <50 pF	>120 dB at 50 Hz or 60 Hz	>80 dB at 50 Hz or 60 Hz
45-100V	2V	±(2%+2)	Not Applicable		V ~ 1000V dc, 750V ac rms (line)	>10 MΩ, <50 pF	>120 dB at 50 Hz or 60 Hz	>80 dB at 50 Hz or 60 Hz
I2	500.00	0.1Ω	±(0.5%+2)					
500.00	1Ω	±(0.5%+2)	Not Applicable					
500.00 KΩ	0.001 MΩ	±(0.5%+2)	Not Applicable					
500.00 KΩ	0.01 MΩ	±(0.5%+2)	Not Applicable					
500.00 MΩ	0.001 MΩ	±(0.5%+2)	Not Applicable					
500.00 MΩ	0.01 MΩ	±(0.5%+2)	Not Applicable					
→ ← Vd	2.0V	0.001	±1% (Typical)	Not Applicable	12	Open Circuit Input Voltage	Full Scale Voltage at 3.2 MΩ	Short Circuit Current
A →	32.00 mA (45-100 Hz, 1 kHz)	0.01 mA	±(2.5%+2)	6 nV/mA		500V dc, 500V rms (line)	<3.1V dc <2.8V dc (Typical)	<1.4V dc <1.3V dc (Typical)
A →	32.00 mA (10.00 A)	0.01 A	±(2.5%+2)	6 nV/mA				
A →	32.00 mA (10.00 A)	0.01 mA	±(1.5%+2)	6 nV/mA				
A →	32.00 mA (10.00 A)	0.01 A	±(1.5%+2)	6 nV/mA				

• Current function not available on F10e 752 and 7722 only.
† Ranges available on F10e 752 and 7722 only.
†† 10A continuous, 20A for 30 seconds maximum