

SPECIFICATIONS

Operating Temperature	0°C to 50°C
Storage Temperature	-40°C to +60°C
Relative Humidity	
All ranges except 32 MΩ	0% to 90% (0°C to 35°C)
32 MΩ range only	0% to 70% (35°C to 50°C)
Temperature Coefficient	0% to 80% (0°C to 35°C) 0% to 70% (35°C to 50°C)
Battery Type	NEDA 1604 9V or 6F 22 9V
Battery Life (typical)	1600 hrs Zn-C 2000+ hrs alkaline
Size (HxWxL)	2.84 cm x 7.49 cm x 16.64 cm (1.12 in x 2.95 in x 6.55 in)
Weight	0.34 kg (12 ounces)
Safety Rating	Protection Class II per IEC 348

FUNCTION	RANGE	RESOLUTION	ACCURACY (Fluke 75)	ACCURACY (Fluke 77)	TYPICAL FULL SCALE BURDEN VOLTAGE
V~ 45 Hz-1 kHz (* 45-500Hz)	3.2V 32V 320V 750V	0.001V 0.01V 0.1V 1V	±(2 + 2)* ±(2 + 2) ±(2 + 2) ±(2 + 2)	±(2 + 2)* ±(2 + 2) ±(2 + 2) ±(2 + 2)	
V==	3.2V 32V 320V 1000V	0.001V 0.01V 0.1V 1V	±(0.5 + 1) ±(0.5 + 1) ±(0.5 + 1) ±(0.6 + 1)	±(0.3 + 1) ±(0.3 + 1) ±(0.3 + 1) ±(0.4 + 1)	
300mV==	320 mV	0.1 mV	±(0.5 + 1)	±(0.3 + 1)	
Ω	320Ω 3200Ω 32 kΩ 320 kΩ 3.2 MΩ 32 MΩ	0.1Ω 1.0Ω 0.01 kΩ 0.1 kΩ 0.001 MΩ 0.01 MΩ	±(0.7 + 2) ±(0.7 + 1) ±(0.7 + 1) ±(0.7 + 1) ±(0.7 + 1) ±(2.5 + 1)	±(0.5 + 2) ±(0.5 + 1) ±(0.5 + 1) ±(0.5 + 1) ±(0.5 + 1) ±(2.0 + 1)	
→+	2.0V	0.001V	±(1 + 1) typical		
A~ 45 Hz-1 kHz	32 mA 320 mA 10A	0.01 mA 0.1 mA 0.01A	±(3 + 2) ±(3 + 2) ±(3 + 2)	±(3 + 2) ±(3 + 2) ±(3 + 2)	6mV/mA 6mV/mA 50mV/A
A==	32 mA 320 mA 10A	0.01 mA 0.1 mA 0.01A	±(1.5 + 2) ±(2 + 2) ±(1.5 + 2)	±(1.5 + 2) ±(2 + 2) ±(1.5 + 2)	6mV/mA 6mV/mA 50mV/A

FUNCTION	MAXIMUM INPUT VOLTAGE (across input terminals)	RESPONSE TIME (of digital display to rated accuracy)	INPUT IMPEDANCE	COMMON MODE REJECTION RATIO (1 k Ω unbalance)	NORMAL MODE REJECTION RATIO (digital display only)	MAXIMUM VOLTAGE BETWEEN ANY TERMINAL AND EARTH GROUND (all functions):
V \sim	1000V dc 750V ac rms (sine)	<2s	>10 M Ω in parallel with <50 pF (ac coupled)	>60 dB (dc to 60 Hz)		1000V dc 750V ac rms (sine)
V \equiv	1000V dc 750V ac rms (sine)	<1s	>10 M Ω (input capacitance: <50 pF)	>120 dB (dc, 50 Hz, or 60 Hz)	>60 dB (50 or 60 Hz)	FUSE PROTECTION 630 mA 250V FAST 1500A INTERRUPT RATING 15A 600V FAST
300mV \equiv	500V dc 500V ac rms (sine)	<1s	10 M Ω (input capacitance: <50 pF)	>120 dB (dc, 50 Hz, or 60 Hz)	>60 dB (50 or 60 Hz)	
Ω	MAXIMUM OVER-LOAD (across input terminals)	RESPONSE TIME (of digital display to rated accuracy)	OPEN CIRCUIT TEST VOLTAGE (0°C to 50°C)	FULL SCALE VOLTAGE (0°C to 50°C)		
	500V dc 500V ac rms (sine)	<1s (up to 320 k Ω) <2s (up to 3.2 M Ω) <10s (up to 32 M Ω)	<3.1V dc <2.8V dc typical	Up to 3.2 M Ω <440 mV dc <420 mV dc typical	Up to 32 M Ω <1.4V dc <1.3V dc typical	
\rightarrow +)))))	MAXIMUM OVER-LOAD (across input terminals)	TEST CURRENT				
	500V dc 500V ac rms (sine)	Test Current (typical)	V F			
		0.7 mA 0.5 mA 0.3 mA 0.1 mA	0.0V 0.6V 1.2V 2.0V			

*Basic electrical specifications are defined over the temperature range from 18°C to 28°C for a period of one year after calibration.
Accuracy is specified as \pm (% of reading) + [number of units in least significant digit]. In Touch Hold, accuracy is not specified for 300mV \equiv and Ω functions when test circuit impedance exceeds 1 M Ω .
V \sim and A \sim are average responding, calibrated for the rms value of sine waves.
Useful frequency response (typical), for 32V and 320V ranges, -0.5 dB at 10 kHz, for 3.2V and 750V ranges, \pm 3 dB at 5 kHz.