

Fluke 289

Specifications		
Voltage DC	Accuracy	0.025 %
	Range and Resolution	50.000 mV, 500.00 mV, 5.0000 V, 50.000 V, 500.00 V, 1000.0V
Voltage AC	Accuracy	0.4 %(true-rms)
	Range and Resolution	50.000 mV, 500.00 mV, 5.0000 V, 50.000 V, 500.00 V, 1000.0V
Current DC	Accuracy	0.06 %
	Range and Resolution	500.00 μ A, 5000.0 μ A, 50.000 mA, 400.00 mA, 5.0000 A, 10.000 A
Current AC	Accuracy	0.61 %(true-rms)
	Range and Resolution	500.00 μ A, 5000.0 μ A, 50.000 mA, 400.00 mA, 5.0000 A, 10.000 A
Temperature (excluding probe)	Accuracy	1.0 %
	Range and Resolution	-200.0 $^{\circ}$ C to 1350.0 $^{\circ}$ C (-328.0 $^{\circ}$ F to 2462.0 $^{\circ}$ F)
Resistance	Accuracy	0.05 %
	Range and Resolution	500.00 Ω , 5.0000 k Ω , 50.000 k Ω , 500.00 k Ω , 5.0000 M Ω , 50.00 M Ω , 500.0 M Ω
Resistance 10 50 Ω (2 wire connection)	Accuracy	0.15 % + 20
	Range and resolution	50.000 Ω
Capacitance	Accuracy	1.0 %
	Range and Resolution	1.000 nF, 10.00 nF 100.0 nF, 1.000 μ F, 10.00 μ F, 100.0 μ F, 1000 μ F, 10.00 mF, 100.00 mF Ω
Frequency	Accuracy	0.005% + 1
	Range and Resolution	99.999 Hz, 999.99 Hz, 9.9999 kHz, 99.999 kHz, 999.99 kHz
Additional functions/features	Multiple on-screen displays	Yes
	True-rms AC bandwidth	100 kHz
	DBV/dBm	Yes
	DC mV resolution	1 μ V
	Megohm range	Up to 500 M
	Conductance	50.00nS
	Continuity beeper	Yes
	Battery/Fuse access	Battery / Fuse
	Peak	250 μ S
	Elapse time clock	Yes
	Time of day clock	Yes
	Min-Max-Avg	Yes
	Frequency	Yes
	Duty Cycle	0.01 % to 99.99 %
	Pulse Width	0.025 ms, 0.25 ms, 2.5 ms, 1250.0 ms
	Hold	Yes
	Isolated Optical Interface	Yes
	Auto/Touch Hold	Yes
	Reading memory	Yes
	Log to PC	Yes
Interval/Event Logging	Yes	
Logging Memory	Up to 10,000 readings	
Resistance Low Ohm	0.001 Ω to 50.000 Ω 10 mA source	
LoZ	Yes	
Low Pass Filter	Yes	

Environmental Specifications	
Operating Temperature	-20 °C to +55 °C
Storage Temperature	-40 °C to +60 °C
Relative Humidity	0% to 90% (0 °C - 37 °C) 0% to 65% (37 °C - 45 °C), 0 to 45 % (45 °C - 55 °C)
Electromagnetic Compatability	EMC EN6 1326-1
Vibration	Random vibration per MIL-PRF-28800f Class 2
Shock	1 meter drop per IEC/EN 61010-1 2nd edition
Safety Specifications	
Overvoltage category	CAT III 1000 V / CAT IV 600 V safety rated
Agency Approvals	CSA, UL, TÜV, CE
Mechanical & General Specifications	
Maximum voltage between any terminal and earth ground	1000V
Size	(HxWxL 22.2 cm x 10.2 cm x 6 cm (8.75 in x 4.03 in x 2.38 in)
Weight	870.9 g (28 oz)
Battery Life	100 minimum, 200 hours in logging mode
Battery type	6 AA alkaline batteries, NEDA 15A IEC LR6