

Digital Multimeter

Fluke 17B+

Fluke 17B+ Digital Multimeter is a simple and easy-to-use instrument that delivers accurate estimations. This model is a battery operated presentation with 4000 counts. Its rugged and reliable features make the instrument more compact for use.

Features of Fluke 17B+ Digital Multimeter:

- | 600 V Cat III safety rating
- | 50% bigger display with bright white backlight
- | Over-voltage indicator
- | Frequency and temperature measurement
- | Voltage, resistance, continuity, capacitance
- | Input terminal for ac and dc current measurements to 10 A current
- | Diode test, data hold



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Accuracy Specifications

Function	Range	Resolution	Accuracy
AC volts	4.000 V	0.001 V	1.0% + 3
	40.00 V	0.01 V	
	400.0 V	0.1 V	
	1000 V	1 V	
DC volts	4.000 V	0.001 V	0.5% + 3
	40.00 V	0.01 V	
	400.0 V	0.1 V	
	1000 V	1 V	
AC millivolts	400.0 mV	0.1 mV	3.0% + 3
DC millivolts	400.0 mV	0.1 mV	1.0% + 10
Diode test	2.000 V	0.001 V	10%
Resistance	400.0 Ω	0.1 Ω	0.5% + 3
	4.000 k Ω	0.001 k Ω	0.5% + 2
	40.00 k Ω	0.01 k Ω	0.5% + 2
	400.0 k Ω	0.1 k Ω	0.5% + 2
	4.000 M Ω	0.001 M Ω	0.5% + 2
	40.00 M Ω	0.01 M Ω	1.5% + 3
Capacitance	40.00 nF	0.01 nF	2% + 5
	400.0 nF	0.1 nF	2% + 5
	4.000 μ F	0.001 μ F	5% + 5
	40.00 μ F	0.01 μ F	5% + 5
	400.0 μ F	0.1 μ F	5% + 5
	1000 μ F	1 μ F	5% + 5
Frequency Hz (10 Hz – 100 kHz)	50.00 Hz	0.01 Hz	0.1% + 3
	500.0 Hz	0.1 Hz	
	5.000 kHz	0.001 kHz	
	50.00 kHz	0.01 kHz	
	100.0 kHz	0.1 kHz	
Duty Cycle	1% to 99%	0.10%	1% typical 4
AC current μ A (40 Hz to 400 Hz)	400.0 μ A	0.1 μ A	1.5% + 3
	4000 μ A	1 μ A	
AC current mA (40 Hz to 400 Hz)	40.00 mA	0.01 mA	1.5% + 3
	400.0 mA	0.1 mA	
AC current A (40 Hz to 400 Hz)	4.000 A	0.001 A	1.5% + 3
	10.00 A	0.01	
DC current μ A	400.0 μ A	0.1 μ A	1.5% + 3
	4000 μ A	1 μ A	
DC current mA	40.00 mA	0.01 mA	1.5% + 3
	400.0 mA	0.1 mA	
DC current A	4.000 A	0.001 A	1.5% + 3
	10.00 A	0.01 A	
Temperature	50 °C- 400 °C	0.1C	2% \pm 1 °C
	0 °C- 50 °C		\pm 2 °C
	-55 °C- 0 °C		9% \pm 2 °C

Technical Specifications

Model No	17B+
Measuring Parameters	Capacitance, Current, Diode Test, Duty Cycle, Frequency, Resistance, Voltage
Display	4000 counts, updates 3/sec
Voltage	Maximum voltage between any terminal and earth ground: 1000 V
Altitude	Operating : 2000 m, Storage: 12000 m
Fuse protection for current inputs	440 mA, 1000 V Fast Fuse, Fluke specified part only. 11A, 1000V Fast Fuse, Fluke specified part only.
Electromagnetic environment	IEC 61326-1: Portable
Electromagnetic compatibility	Applies to use in Korea only
Temperature coefficient	Add 0.1 x specified accuracy for each °C above 28 °C or below 18 °C (°F above 82 °F or below 64° F)
Storage Temperature	-30°C to 60°C
Operating Temperature	0°C To 40°C
Operating Humidity	≤ 90 % RH at 10 °C to 30 °C; ≤ 75 % RH at 30 °C to 40 °C; non-condensing (<10 °C)
Ratings	IP 40
Battery	2 AA, NEDA 15A, IEC LR6, Life will be 500 hours minimum (50 hours in LED Test mode without load. The hours with load depends on the type of LED under test.)
Calibration	Standard Calibration will be provided traceable to NABL
Accessories	Test leads with caps, Thermocouple Temperature Probe, 2 AA Batteries, User Manual and Statement of Calibration Practices certificate.
Warranty	1 Year Manufacturing Warranty
Dimension	183 mm x 91 mm x 49.5 mm
Weight	455 Grams
Manufacturer	Fluke

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