

FLUKE 85

TYPE: Multimeter



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SPECIFICATIONS

FUNCTION	RANGE	RESOLUTION	ACCURACY
CAPACITANCE	5.00nF	0.01nF	$\pm(1\% + 3)$
	0.0500 μ F	0.0001 μ F	$\pm(1\% + 3)$
	0.500 μ F	0.001 μ F	$\pm(1\% + 3)$
	5.00 μ F	0.01 μ F	$\pm(1\% + 3)$
DIODE TEST	3.000V	0.001V	$\pm(2\% + 1)$

FUNCTION	RANGE	RESOLUTION	ACCURACY	BURDEN VOLTAGE TYPICAL
mA A \sim (45Hz to 2kHz) mA $\overline{\sim}$ A	40.00mA	0.01mA	$\pm(0.6\% + 2)$	1.6mV/mA
	400.0mA	0.1mA	$\pm(0.6\% + 2)$	1.6mV/mA
	4000mA	1mA	$\pm(0.6\% + 2)$	0.03V/A
	10.00A ³	0.01A	$\pm(0.6\% + 2)$	0.03V/A
	40.00mA	0.01mA	$\pm(0.2\% + 2)$	1.6mV/mA
	400.0mA	0.1mA	$\pm(0.2\% + 2)$	1.6mV/mA
	4000mA	1mA	$\pm(0.2\% + 2)$	0.03V/A
	10.00A ³	0.01A	$\pm(0.2\% + 2)$	0.03V/A
μ A (45Hz to 2kHz) $\overline{\sim}$ μ A	400.0 μ A	0.1 μ A	$\pm(0.6\% + 2)$	100 μ V/ μ A
	400.0 μ A	1 μ A	$\pm(0.6\% + 2)$	100 μ V/ μ A
	400.0 μ A	0.1 μ A	$\pm(0.2\% + 3)$	100 μ V/ μ A
	400.0 μ A	1 μ A	$\pm(0.2\% + 2)$	100 μ V/ μ A

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FUNCTION	RANGE	RESOLUTION	ACCURACY
Frequency (0.5 Hz to 200kHz, Pulse width >2 μ s)	199.99	0.01Hz	$\pm(0.005\%+1)$
	199.99	0.1Hz	$\pm(0.005\%+1)$
	199.99kHz	0.001kHz	$\pm(0.005\%+1)$
	199.99kHz	0.01kHz	$\pm(0.005\%+1)$
	>200kHz	0.1kHz	Unspecified

FUSE PROTECTION

mA or μ A A	1A 600V FAST fuse 15A 600V FAST fuse
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MAXIMUM VOLTAGE BETWEEN ANY TERMINAL AND EARTH GROUND

1000 Volts

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OPERATING TEMPERATURE	-20°C to 55°C
STORAGE TEMPERATURE	-40°C to 60°C
TEMPERATURE COEFFICIENT	0.05×(specified accuracy)/°C(<18°C or >28°C)
ELECTROMAGNETIC COMATIBILITY	In an RF field of 1V/m on all ranges and functions: Total Accuracy=Specified Accuracy+0.5% of range.
RELATIVE HUMIDITY	0% to 90%(0°C to 35°C) 0% to 70%(35°C to 55°C)
BATTERY TYPE	9V, NEDA 1604 or 6F22 or 006P
BATTERY LIFE	500 hrs typical with alkaline
SHOCK, VIBRATION	Per MIL-T-28800 for a class 2 instrument
SIZE(H×W×L)	1.25 in × 3.41 in × 7.35 in (3.1cm × 8.6cm × 18.6cm)
WEIGHT	12.5 oz (355g)

APPLICATIONS: Used for different measurements.

CODE: DSE0MM0FLUKE850012.

MANUAL NO.: 12.