



OMEGA TYPE DMM-101 is an accurate compact hand-held type Digital Multimeter with 3.5 digits liquid crystal display. The multimeter has been carefully designed to provide long reliable performance for your laboratory, workbench or portable application.

FEATURES

- 01 Display : LCD
- 02 Max displaying : 1999 counts, 3-1/2 digits, auto polarity indication
- 03 Measuring method : dual slope A/D conversion
- 04 Sampling rate : approx 3 times/second
- 05 Over range indication : The MSD displays 1 or -1
- 06 Low battery indication : appears
- 07 Operation environment : (040) R.H. < 80%
- 08 Power : 9V 1 NEDA 1604/6F22 or equivalent model

ELECTRICAL SPECIFICATIONS

01 DC VOLTAGE	RANGE	ACCURACY	RESOLUTION	05 RESISTANCE RANGE	ACCURACY	RESOLUTION
	200mV	± (0.5% + 3d)	0.1mV	200 Ohms	± (0.8% + 5d)	0.1 Ohms
	2V	"	1mV	2K Ohms	± (0.8% + 3d)	1 Ohms
	20V	"	10mV	20K Ohms	"	10 Ohms
	200V	"	100mV	200K Ohms	"	100 Ohms
	1000V	± (0.8% + 5d)	1V	20M Ohms	± (1.2% + 8d)	10K Ohms
				200M ohms	± (5.0% + 20d)	100K ohms

Impedance : 10MW, Overload Protection : 200mV range 250V DC
Or AC Peak Value

02 AC VOLTAGE	RANGE	ACCURACY	RESOLUTION	06 DIODE AND CONTINUITY TESTING RANGE	Description	Test Condition
	20V	± (0.8% + 5d)	10mV		Positive voltage	The positive DC current is approx 1mA negative u voltage approx 3V
	200V	"	100mV		Drop of Diode	Open voltage is approx 3V
	700V	± (1.2% + 5d)	1V		Buzzer sound the resistance is less than (70 ± 20)W	

Impedance : 10MW, Overload Protection : 1000V DC
Frequency Response : Less Than 200V, 750V 40-200Hz

03 DC CURRENT	RANGE	ACCURACY	RESOLUTION
	20mA	± (1.5% + 3d)	10uA
	200mA	± (1.5% + 3d)	100uA
	20A	± (2.0% + 8d)	10mA

Overload Protection : Fast 200mA/250V fuse

04 AC CURRENT	RANGE	ACCURACY	RESOLUTION
	200mA	± (1.5% + 5d)	100uA
	20A	± (3.0% + 10d)	10mA

Overload Protection : Fast 200mA/250V fuse
20A ranges unfused, Max. Input : 20A (up to 10 seconds)
Frequency Response : 40-200Hz

07 CAPACITANCE	RANGE	ACCURACY	RESOLUTION
	20nF	± (2.5% + 20)	10pF
	2uF		1nF
	200uF		100nF

Overload Protection : DC 36 V, AC peak value

08 TEMPERATURE	RANGE	ACCURACY	RESOLUTION
	-40°C - 1000°C	< 400°C ± (0.8% + 4d) > 400°C ± (1.5% + 15d)	1°C

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

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