

DIGITAL MULTIMETER

CD772

APPLICATIONS AND FEATURES

This meter is useful for measuring / analyzing circuits of small communication devices, home electric appliances and batteries in the ranges of CAT. III environment.

- Double molding with outside made of elastic elastomer material
- Eye-friendly large-sized display
- Continuity confirmed by the buzzer and red LED lamp
- Auto power save: Power save about 30 minutes after no operation
- Range hold, Data hold, and Relative function
- Large breaking capacity fuse 30kA, Safety cap on current terminal
- Temperature measurements up to 300 °C (K type thermocouple temperature sensor)

SPECIFICATIONS

	Measuring range	Best accuracy	Resolution	Input impedance
DCV	400m/4/40/400/1000V	$\pm(0.5\%+2)$	0.1mV	DCV: 10M~100M Ω
ACV	4/40/400/1000V	$\pm(1.2\%+8)$	1mV	ACV: 10M~11M Ω
DCA	400 μ /4000 μ /40m/400m/4/15A	$\pm(1.4\%+3)$	0.1 μ	
ACA	400 μ /4000 μ /40m/400m/4/15A	$\pm(1.8\%+6)$	0.1 μ	
Resistance	400/4k/40k/400k/4M/40M Ω	$\pm(1.2\%+5)$	0.1 Ω	
Capacitance	50n/500n/5 μ /50 μ /100 μ F	$\pm(5\%+10)$	0.01nF	
Frequency	5/50/500/5k/50k/100kHz	$\pm(0.3\%+3)$	0.001Hz	
Temperature	-20°C~300°C	$\pm(0.3\%+30)$	0.1°C	
Continuity	Buzzer sounds and LED lights up at between 0 Ω and 85 Ω ($\pm 45\Omega$). Open voltage: approx. 0.4V			
Diode test	Open voltage: approx. 1.5V			

Display	4000 count
Range selection	Auto and Manual
Over-range indication	"OL" shown in numerical part (10A, DC/AC 1000V excluded)
Polarity indication automatic selection	"-" indicated only when negative input
Battery low warning	Battery () mark lights or flickers at approx. 2.4V or below
Sampling rate	3 times / sec
AC measuring method	True RMS value method
Guaranteed accuracy temperature and humidity range	23°C $\pm$ 5°C, below 80%RH No condensation
Operating temperature / humidity	5°C~40°C 5°C~31°C, 80%RH(max) No condensation
Storage temperature / humidity	-10°C~40°C, below 80%RH No condensation
Environmental condition	Altitude 2000m or below, pollution degree II
Power consumption	15mW at DCV
Continuous use time	About 150 hours at DCV
Safety standards	IEC61010-1 CAT.III 600V / CAT. II 1000V
Bandwidth	45~500Hz(4 V range), 45~1kHz(40V range and above)
Fuse	0.5A/1000V 30kA ϕ 6.35x32mm 16A/1000V 30kA ϕ 10x38mm
Battery	R6P x 2
Size / Mass	H166 x W82 x D44mm / 360g
Standard accessories included	Test lead(TL-25a), Thermocouple K type(K-250CD), Instruction manual



A battery for monitoring has been installed prior to shipment from the factory. It may be discharged before the expiration of the described battery life. This battery is used to check the functions and performance of the product. Specifications and external appearance of the product described above may be revised for modification without prior notice.

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