

DIGITAL MULTIMETER

PM3

APPLICATIONS AND FEATURES

This instrument is a pocket type digital multimeter designed for the measurement of low-voltage circuit. This is used at small communications equipments, home electric appliances, voltage of lump line, and measurement of various types of batteries. 8.5mm thick body with multi-function

- 4000 count
- 0.7% best accuracy
- Resistance measurement
- Capacitance measurement
 - ※Not suitable for measurement of condensers with large leak current.
- Frequency measurement(AC sine wave only)
- Duty cycle measurement
- Data hold
- Relative value
- Auto power save(15min after the last operation)(cancelable)

SPECIFICATIONS

	Measuring range	Best accuracy	Resolution	Input impedance
DCV	400m/4/40/400/500V	$\pm(0.7\%+3)$	0.1mV	DCV : 10M~100MΩ
ACV	4/40/400/500V	$\pm(2.3\%+10)$	0.001V	
Resistance	400/4k/40k/400k/4M/40MΩ	$\pm(2.0\%+5)$	0.1Ω	ACV : 10M~11MΩ
Capacitance	5n/50n/500n/5μ/50μ/200μF	$\pm(5.0\%+10)$	0.001nF	
Frequency	9.999/99.99/999.9/9.99k/60.00kHz	$\pm(0.7\%+5)$	0.001Hz	
Duty cycle	0.1~99%			
Continuity	Buzzer sounds at less than 10~120Ω. Open voltage : approx. 0.4V			
Diode test	Open voltage : approx. 1.5V			

Measuring method	Δ-Σ method
Display	4000 count
Range selection	Auto range
Over display	"OL" is displayed
Polarity	Automatic selection(only "-" is displayed when negative voltage is inputted.)
Battery low warning	Battery() mark lights when the internal battery's power is low.
Sampling rate	Approx. 3 times/sec
Operating temperature / humidity	0~40°C, 80%RH(Max), No condensation
Storage temperature / humidity	-10~50°C, below 70%RH, No condensation
Environmental condition	Altitude 2000m or below, pollution degree II
Power consumption	6mW(at DCV)
Bandwidth	40~400Hz
Battery	Coin type lithium battery CR2032(3V) x 1
Size / Mass	H108 x W56 x D11.5mm / 85g
Safety standards	EN61010-1 CAT.II 500V
Standard accessories included	Case holder(C-PM3), 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.

**COSINUS Messtechnik - Ihr Partner für Messlösung
in allen elektrischen und physikalischen Anwendungen**

COSINUS Messtechnik GmbH

Rotwandweg 4

82024 Taufkirchen

Tel.: 089 / 66 55 94 - 0

Fax: 089 / 66 55 94 -30

office@cosinus.de
www.cosinus.de