

# sanwa®

## TOKYO JAPAN

DIGITAL MULTIMETER

# PM7a

## APPLICATIONS AND FEATURES

This instrument is a portable digital multimeter designed for 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.

- 4000 count
- 0.7% best accuracy
- Range hold
- Auto power off(15 min.)
- Low power ohm(input voltage 0.4V) at continuity range
- Power saving design

## SPECIFICATIONS

	Measuring range	Best accuracy	Resolution	Input impedance
DCV	400m/4/40/400/500V	$\pm(0.7\%+3)$	0.1mV	DCV : 10M~100M $\Omega$
ACV	4/40/400/500V	$\pm(2.3\%+10)$	0.001V	ACV : 10M~11M $\Omega$
Resistance	400/4k/40k/400k/4M/40M	$\pm(2.0\%+5)$	0.1 $\Omega$	
Continuity	Buzzer sounds at less than 10~120 $\Omega$ . Open voltage : 0.4V			
Diode test	Open voltage : approx. 1.5V			

Operation method	$\Delta$ - $\Sigma$ method
Display	4000 count
Range selection	Auto and manual ranges
Over display	"OL" is displayed(except DC/AC 500V ranges)
Polarity	Automatic selection(only "-" is displayed when negative voltage is inputted.)
Battery low warning	" $\square$ " mark lights when the internal battery's power is below approx. 2.4V
Sampling rate	Approx. 3 times/sec
Operating temperature / humidity	5~40°C, 80%RH(Max), No condensation
Storage temperature / humidity	-10~50°C, 70%RH(Max), No condensation
Environmental condition	Altitude 2000m or below, pollution degree II
Power consumption	Approx. 5mW(at DCV)
Bandwidth	40~400Hz
Battery	LR44 x 2
Size / Mass	H115 x W57 x D18mm / 85g
Standard accessories included	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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