

# sanwa®

## TOKYO JAPAN

### DIGITAL MULTIMETER

# PC20

### APPLICATIONS AND FEATURES

This instrument is a portable multimeter designed for the measurement of low current circuit. Measurements such as a small communications equipment and consumer electronics products, of course, is quite useful in such as a circuit analysis.

- 4000 count
- PCLink7 (separately available software) allows you to download logged data into your PC with USB optical communication unit(KB-USB20).
- Holster for holding the test lead or hanging it from the wall
- AC adapter(separately available power supply, AD-72AC)

### SPECIFICATIONS

	Measuring range	Best accuracy	Resolution	Input impedance
DCV	400m/4/40/400/1000V	$\pm(0.5\%+2)$	0.1mV	DCV: 10M~100MΩ ACV: 10M~11MΩ
ACV	4/40/400/750V	$\pm(1.2\%+5)$	0.001V	
DCA	400μ/4000μ/40m/400m/4A/10A	$\pm(1.5\%+2)$	0.1μA	DCV: 10M~100MΩ ACV: 10M~11MΩ
ACA	400μ/4000μ/40m/400m/4A/10A	$\pm(1.8\%+5)$	0.1μA	
Resistance	400/4k/40k/400k/4M/40M	$\pm(1.2\%+4)$	0.1Ω	
Capacitance	50n/500n/5μ/50μ/100μF	$\pm(5.0\%+6)$	0.01nF	
Continuity	Buzzer sounds at between 10Ω and 120Ω Open voltage: approx. 0.4V			
Diode test	Open voltage: approx. 1.5V			

Measuring method	ΔΣ method
Display	4000 count
Range selection	Auto and manual ranges
Over display	"O.L." is displayed(except DC/AC10A, DC 1000V, AC750V ranges)
Polarity	Automatic selection(only "-" is displayed)
Battery low warning	Battery (E) mark lights when the internal battery's power is low
Sampling rate	3 times / sec
AC measuring method	Average value method (Convert average value to effective value)
Accuracy assurance temperature / humidity	23°C±5°C, below 80%RH No condensation
Operating temperature / humidity	5~40°C, 5~31°C, 80%RH(Max) No condensation
Storage temperature / humidity	-10°C~50°C, below 70%RH No condensation
Environmental condition	Altitude 2000m or below, pollution degree II
Power consumption	7mW at DCV
Continuous use time	About 150 hours at DCV
Bandwidth	40~500Hz(below 500V), 40~1kHz(ACA)
Fuse	0.5A/250V 1.5kA φ5.0x20mm 12.5A/250V 125A φ6.3x32mm
Battery	R6 x 2
Size / Mass	H167 x W90 x D48mm / 330g
Standard accessories included	Test lead(TL-21a), Holster(H-70), 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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