

# sanwa®

## TOKYO JAPAN

### VOLT TESTER

# KP1

### APPLICATIONS AND FEATURES

This tester is designed to meet the actual needs of the fields of electrical equipment maintenance by prioritizing the usage without operation mistakes, reducing the size for higher portability and limiting the facilities to voltage measurement and electric field detection while complying with safety standards. It is suitable for voltage measurement and electric field detection of low-voltage lines and equipment.

- Pocket size CAT.IV.600V
- Single button system (Preventing operation mistakes)
- AC/DC auto-identifying voltage measurement
- AC measurement in true RMS value
- EF(Electric Field) detection
- The backlight color changes at 20V or more  
(When a voltage of 20V or more is input, the backlight color changes from green to orange)
- Self test(Checking failures of the LCD or disconnection of a lead wire)
- CF(Crest Factor)

### SPECIFICATIONS

	Measuring range	Best accuracy
DCV	5.0~999.9V	±(0.7%+5)
ACV	5.0~999.9V	±(1.5%+5)
Continuity	Open voltage:Approx. 0.6V DC. Buzzer threshold: 20k~500kΩ	
EF(Electric Field) detection	A voltage or electric field of about 60V or more is detected. The bar graph and intermittent buzzer beeps change in 5 steps according to the field intensity. Detection frequency : 50/60Hz Detection antenna : Top of the instrument body(on the right of the LED light) Contact type EF detection : + terminal test pins	

Display	Max 9999 counts. With backlight(green/orange)
Range selection	Auto
Over-range indication	"OL" shown in numerical part
Polarity indication automatic selection	"-" indicated only when negative input
Sampling rate	ACV : Approx. 6 times/sec. DCV : Approx. 5 times/sec.
Guaranteed accuracy temperature and humidity range	23°C±5°C, below 80%RH No condensation
Operating temperature / humidity	5°C~40°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
Battery life	Approx. 20hours(continuous measurement of 40V DC)
Safety standards	IEC61010-1, IEC61010-2-030 CAT.IV. 600V / CAT.III. 1000V IEC61010-2-33 IEC61010-31
Battery	LR03("AAA" size alkaline battery) x 2
Size / Mass	H130 x W90 x D30mm / 205g
Standard accessories included	Test leads(TL-35:Test probe(red), TL-36:Test lead(black) : approx. 1.5m) Test probe(IL-A01(black), 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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