

sanwa®

TOKYO JAPAN

DIGITAL MULTIMETER

RD701

APPLICATIONS AND FEATURES

This instrument is portable 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.

- AC True RMS
- 4000 count
- 0.3% best accuracy
- Capacitance measurement
- K type temperature measurement
- Frequency measurement
- ADP function (for current sensor)
- Max recording measurement
- Data hold
- Range hold
- Relative value
- Auto power off (30min.) (cancelable)
- Alarm for improper test lead insertion to current terminal
- Protective holster with wall hanger and lead holder
- Tilt stand

SPECIFICATIONS

	Measuring range	Best accuracy	Resolution	Input impedance
DCV	400m/4/40/400/1000V	$\pm(0.3\%+4)$	0.1mV	"DCV ACV
ACV	400m/4/40/400/1000V	$\pm(1.5\%+5)$	0.1mV	10M $\sim$ 1000M Ω "
DCA	400 μ /4000 μ /40m/400m/4/10A	$\pm(1.2\%+3)$	0.1 μ A	
ACA	400 μ /4000 μ /40m/400m/4/10A	$\pm(1.5\%+4)$	0.1 μ A	
Resistance	400/4k/40k/400k/4M/40M Ω	$\pm(0.6\%+4)$	0.1 Ω	
Capacitance	500n/5 μ /50 μ /500 μ /3000 μ F	$\pm(2.5\%+6)$	0.01nF	
Temperature	-20 $^{\circ}$ C $\sim$ 300 $^{\circ}$ C	$\pm(2\%+3)$	1 $^{\circ}$ C	
Frequency	50Hz $\sim$ 1MHz	$\pm(0.5\%+4)$	0.01Hz	
Continuity	Buzzer sounds at between 20 Ω and 120 Ω Open voltage: approx. 0.4V			
Diode test	Open voltage: approx. 1.6V			

Measuring method	Average sensing
Display	4000 count (Hz : 9999, Capacitance : 5000)
Range selection	Auto and manual ranges
Over display	"O.L." is displayed
Polarity	Automatic selection (only "-" is displayed when negative voltage is inputted.)
Battery low warning	Battery (BAT) mark lights when the internal battery's power is below approx. 2.4V
Sampling rate	3 times / sec (Hz : 2 times / sec)
Operating temperature / humidity	0 $^{\circ}$ C $\sim$ 40 $^{\circ}$ C, 80%RH(Max) / 35 $^{\circ}$ C $\sim$ 50 $^{\circ}$ C, 70%RH(Max)
Storage temperature / humidity	-20 $^{\circ}$ C $\sim$ 60 $^{\circ}$ C, below 80%RH No condensation
Environmental condition	Altitude 2000m or below, pollution degree II
Power consumption	3.2mA Typical
Bandwidth	50 $\sim$ 500Hz
Fuse	12.5A/500V IR20kA Φ 6.3x32mm 0.63A/500V IR200kA Φ 6.3x32mm
Battery	6LF22(9V) x 1
Size / Mass	H179 x W187 x D55mm / 460g
Standard accessories included	Test Lead (TL-23a), Thermocouple K type (K-250PC), Holster (H-50), 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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