

sanwa®

TOKYO JAPAN



DIGITAL MULTIMETER

PC7000

True RMS

Dual Display

500000 Count for DCV, Dual Display

- 50000 & 500000 count
- Dual display capability to simultaneously display voltage/current/frequency and AC/DC components of voltage/current
- True RMS (root mean square) method for AC measurement
- Built-in LPF useful for measurement of VFD (variable frequency drive) circuit
- Auto-range-compatible capture function (peak hold)
- Auto-range-compatible max./min./mean value recording function (20 times/sec. sampling rate in voltage and current measurement)
- Temperature measurement function (compatible with Type K thermocouple temperature sensor: -50°C~1000°C)
- Optical link USB interface (optional)
- Conductance measurement
- Dual display with backlight

Display: Numeral display 50000 & 500000 selectable,
Bar graph 41 segments

Sampling rate: 5 times/sec. for 50000 count numeral display, 1.25 times/sec.
for 500000 count numeral display 60 times/sec. for bar graph

Bandwidth: V: 45Hz~1kHz, 1kHz~20kHz (below 500V),
A: 45Hz~1kHz

Safety: IEC61010-1 (EN61010-1) 2001-02 CAT.III 600V
Max./CAT.III 1000V Max.

Battery life: Approx. 100h (alkaline battery) at DCV range

Function	Measuring range	Best accuracy
DCV	500m/5/50/500/1000V	±(0.03% + 2)
ACV	500m/5/50/500/1000V	±(0.5% + 40)
DCA	500μ/5000μ/50m/500m/5/10A	±(0.1% + 20)
ACA	500μ/5000μ/50m/500m/5/10A	±(0.6% + 40)
Resistance	500/5k/50k/500k/5M/50MΩ/99.99ns*1	±(0.2% + 6)
Capacitance	50n/500n/5μ/50μ/500μ/5m/25mF	±(0.8% + 3)
Temperature	-50°C~1000°C(-15°F~1832°F)	±(0.3% + 2)
Frequency	10Hz~200kHz	±(0.02% + 4)
Logic Hz	5Hz~2MHz	±(0.002% + 4)
Duty cycle	0.1%~99.99%	±(3d/kHz + 2)
Continuity	Buzzer sounds at between 20Ω and 200Ω. Open voltage : approx. below DC1.3 V	
Diode test	Open voltage : approx. 3 V	
Fuse	12.5A / 500V Breaking capacity 150kA x 1 0.63A / 500V Breaking capacity 20kA x 1	
Size / Weight	H184 x W86 x D52mm / 430g (Including holster)	
Standard accessories included	Test lead(TL-23a), Holster with lightproof magnet cap(H-700), K-type thermocouple(K-250PC), Instruction manual	

*1 nS(Conductance): High-value resistance of Giga-Ohms for leakage measurements.
Conductance is the inverse of Resistance, that is S=1/Ω or nS=1/GΩ



Connectable up to 8 channels

PC Link 7

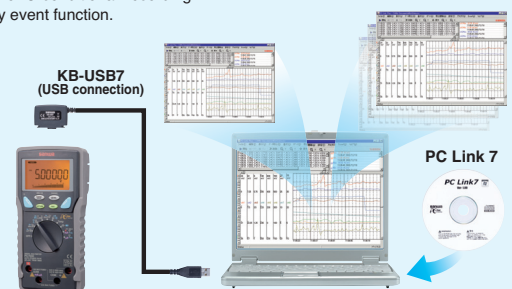


Major features :

- Automatically detects a port connected with a digital multimeter
- No additional driver installation required with Windows standard USB drivers
- The retrieval interval can be set by seconds. The shortest reading interval of 0.2 - 0.3 seconds depending on the digital multimeter measuring function.
- Allows setting for vertical/horizontal zoom, reading at the cursor position, and Y axis split while retrieving data.
- Allows automatic retrieval by schedule setting.
- Allows data saving into CSV files and sending e-mails of alert information with alarm setting.
- Allows data saving into CSV files with the date and time appended.
- Multi-window, separated graphs by each channel
- Allows automatic e-mail of measurement data.
- Allows limited operations depending on the user with usage restriction function.
- Allows conditional recording by event function.

Applicable Model	PC7000, PC700, PC710	
PC Link 7 operating environment	OS	Windows XP/7 32bit
	CPU	Pentium IV 16 GHz or better
	Memory	1GB or better
	Resolution	800x600 or above

*KB-USB7 and PC Link 7 are optional accessories.



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Dual Display

0.06% Maximum Accuracy

- 6000 & 9999 count
- True RMS value measurement (AC) (PC710 only)
- Conforms to IEC61010-01 CAT.III 600V, CAT.III 1000V standards
- Electric field detection function to detect electric activation/deactivation of conductor using contact/non-contact method (PC710 only)
- Minimum resolution of 0.01mV for ACV and DCV measurement
- High-speed response bar graph
- Dual display capability to simultaneously display voltage/current/frequency and AC/DC components of voltage/current
- Measurement of frequencies (multiple sensitivities selectable), measurement of wide-range condenser capacity
- Auto-range-compatible capture function (peak hold) (PC710 only)
- Auto-range-compatible relative value measurement
- Backlight function (PC710 only)
- Temperature measurement function (PC710 only)
- Optical link USB interface (optional)
- Conductance measurement (PC710 only)

Display: Numeral display 9999 & 6000 selectable
Bar graph 41 segments

Sampling rate: 5 times/sec. for numeral display,
60 times/sec. for bar graph

Bandwidth: V: 40Hz~3kHz, 3kHz~20kHz (below 99.99V),
A: 40Hz~1kHz

Safety: IEC61010-1 (EN61010-1) 2001-02 CAT.III 600V
Max./CAT.III 1000V Max.

Battery life: Approx. 60h (manganese battery) at DCV range



New

DIGITAL MULTIMETER
PC700



New

DIGITAL MULTIMETER
PC710



Function	Measuring range		Best accuracy
	PC700	PC710	
DCV	60m/600m/9.999/99.99/999.9V		±(0.06% + 2)
ACV	60m/600m/9.999/99.99/999.9V		±(0.5% + 3)
DCA	600μ/6000μ/60m/600m/6/10A		±(0.2% + 4)
ACA	600μ/6000μ/60m/600m/6/10A		±(0.6% + 3)
Resistance	600/6k/60k/600k/6M/60MΩ/99.99ns*1		±(0.1% + 3)
Capacitance	60n/600n/6μ/60μ/600μ/6m/25mF		±(0.8% + 3)*2
Temperature	-50°C~300°C(Measurement possible with PC Link)	-50°C~1000°C(Optional temperature sensor required)	±(0.3% + 2°C)
Frequency	15Hz~3kHz	15Hz~50kHz	±(0.04% + 4)
Logic Hz	5Hz~1MHz		±(0.03% + 4)
Duty cycle	0%~100%		±(3d/kHz + 2)
Continuity	Buzzer sounds at between 20Ω and 300Ω. Open voltage : approx. below DC1.2V		
Diode test	Open voltage : approx. 3.5V		
Fuse	12.5A / 500V Breaking capacity 150kA x 1 0.63A / 500V Breaking capacity 20kA x 1		
Size / Weight	H184 x W86 x D52mm / 430g (Including holster)		
Standard accessories included	Test lead(TL-23a), Holster with lightproof magnet cap(H-700), Instruction manual	Test lead(TL-23a), Holster with lightproof magnet cap(H-700), K-type thermocouple(K-250PC), Instruction manual	

*1 nS(Conductance): High-value resistance of Giga-Ohms for leakage measurements. Conductance is the inverse of Resistance, that is S=1/Ω or nS=1/GΩ

*2 Accuracy of film capacitor or equivalent with low leakage.

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Specifications and external appearance of the product described above may be revised for modification without prior notice.

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