

# 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.

