



PC710

Digital Multimeters/High accuracy/High resolution (PC Link)



Safety

IEC61010 CAT.II 1000V/CAT.III 600V

Basic Features

- 4 digits 9999 count & 3-5/6 digits 6000 count
- Dual Display shows voltage/current and its frequency, and AC components and DC components of voltage/current
- AC True RMS
- EF(Electric Field) Detection to indicate signal strength of electric field which surrounds current-carrying conductors
- Capture (peak hold) 1ms in duration
- MAX, MIN, AVG recording mode
- K type temperature -50°C~1000°C
 - ※Optional accessory K-AD is necessary.
 - ※K type temp. sensor K-250PC is included as a standard accessory.
- Frequency measurement (AC sine wave only)
- Logic frequency measurement, duty cycle measurement
- Conductance measurement
- Dual display with backlight
- Data hold, Range hold
- Relative value
- Auto power saving mode (30min.) (cancelable)
- Optical Link USB interface (optional)

Display : numeral display 9999 & 6000, bar graph 41 segments

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

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

Optional Accessories

Software : PC Link7

Optical PC link cable : KB-USB7

Clamp probe : CL-22AD, CL33DC, CL3000

Temperature probe : T-300PC (PC Link software is necessary.), K-8-250~800

K type adapter : K-AD

Test lead : TL-21M, TLF-120

Carrying case : C-PC7

Adapter : CL-13a, CL-14, CL-15a, CL-DG3a, TL-9IC, TL-A4, TL-A7M, TL-A7M2

Specifications



PC710	Measuring range	Best accuracy	Resolution	Input impedance
DCV	60m/600m/9.999/99.99/999.9V	$\pm (0.06\%+2)$	0.01mV	10M Ω
ACV	60m/600m/9.999/99.99/999.9V	$\pm (0.5\%+3)$	0.01mV	
DCA	600 μ /6000 μ /60m/600m/6/10A	$\pm (0.2\%+4)$	0.1 μ A	
ACA	600 μ /6000 μ /60m/600m/6/10A	$\pm (0.6\%+3)$	0.1 μ A	
Resistance	600/6k/60k/600k/6M/60M Ω /99.99ns *1	$\pm (0.1\%+3)$	0.1 Ω	
Capacitance	60n/600n/6 μ /60 μ /600 μ /6m/25mF $\pm (0.8\%+3)$ *2		0.01nF	
Temperature	-50~1000 $^{\circ}$ C (thermocouple K type)	$\pm (0.3\%+2)$	1 $^{\circ}$ C	
Frequency	15Hz~50kHz	$\pm (0.04\%+4)$	0.01Hz	
Logic frequency	5Hz~1MHz	$\pm (0.03\%+4)$	0.001Hz	
Duty cycle	0%~100%	$\pm (3d / kHz+2)$	0.01%	
Continuity	Buzzer sounds at between 20 Ω and 300 Ω Open voltage : approx. 1.2V			
Diode test	Open voltage : approx. 3.5V			
Bandwidth	V : 40Hz~3kHz, 3kHz~20kHz(below 99.99V), A : 40Hz~1kHz			
Fuse / Battery	11A/1000V IR20kA ϕ 10 $\times$ 38 6F22(9V) $\times$ 1 0.4A/1000V IR30kA ϕ 6.3 $\times$ 32			
Size / Mass	H184 $\times$ W86 $\times$ D52mm/430g (including holster)			
Standard accessories included	Test Lead (TL-23a), Holster (H-700), Thermocouple K type (K-250PC), Instruction manual			

*1 nS(Conductance): High-value resistance of Giga-Ohms for leakage measurements.

Conductance is the inverse of Resistance, that is $S=1/\Omega$ or $nS=1/G\Omega$

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

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