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COM --TEMP--1 C

## Digital Multimeter

## PC510a



## **FEATURES**

This instrument is portable digital multimeter designed for measurement of weak current circuits. It plays an important role in circuitry analysis by using additional functions as well as measurements of small type communication equipment, electrical home appliance, lighting voltage and batteries of various type.

- This instrument meets the repuirements to Safety Standard IEC61010.
- The main unit case and the circuit board are made of fire retarding materials.
- Fuse protects the current function.
- Fast Response Digit 5 times/sec., Bargraph: 60 times/sec.
- ●AC coupling True RMS
- ●Temperature measurement(K-type)
- ●0.01 Ω of resistance and 0.01mV of AC/DC resolution
- ●MAX/MIN Recording through Auto range
- ●MAX/MIN Capture(Peak hold 0.8ms in duration) through Auto range
- ●Zoom Bargraph
- Optical link RS232C / USB interface (KB-RS2a/KB-USB2a are necessary for connecting to PC)

## Specifications -

●Update Sampling Rate:
Digital data: 5 times / sec nominal

52 segments bar graph: 60 times / sec nominal

Display:

3-5/6 digits 5000 counts LCD display

- Auto Power Off Timing: Idle for 17 minutes
- lacktriangleLow Battery Indication :

Below approx. 7V
Safety:

IEC61010-1(EN61010-1) 2nd(2001)

CAT.III for 600V MAX

CAT. II for 1000V

●Power consumption: 2.6mA Typical

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n	ecessay for	connecting to PC)			
CS	5000a	Neasuring range	Best Accuracy	Resolution	Input Impedanc
Fanction	DCV	50m/500m/5/50/500/1000V	± (0.08%+2)	0. 01mV	10ΜΩ
	ACV	50m/500m/5/50/500/1000V	± (0.5h+3)	0. 01mV	
	DCA	500 μ /5000 μ /50m/500m/5/10A	± (0.2%+4)	0. 1 µ A	
	AGA	500 μ /5000 μ /50m/500m/5/10A	± (0 6h+3)	0. 1 μ Α	
	Resistance	50/500/5k/50k/500k/5M/50MΩ	± (0, 2%+2)	0.01Ω	
	Capacitance	50n/500n/5 μ /50 μ /500 μ /9999 μ F	± (0.8%+3)	0. 01nF	
	Frequency	10Hz ~ 125kHz	± (0.01%+2)	0. 001Hz	
	Temperature	-50°C~1000°C (Thermocouple K type)	± (0, 3%-3)	1°C	
2	Continuity	Buzzer sounds at between $20\Omega$ and $120\Omega$ . Open Voltage approx. 3V			
	D ode Test	Open Voltage : approx. 3.5V			

40Hz ~ 20kHz (below 500V) 40Hz ~ 1kHz (ACA)

Test lead(TL-82), Holster(H-50),

H179 × W87 × D55mm/460g(including Holster)

6LF22 (9V) × 1

12. 5A/500V IR20kA φ6. 3 × 32mm 0. 63A/500V IR200kA φ6. 3 × 32mm

Thermocouple K type(K-250PG), Instruction Manual

%A battery for monitoring is preinstalled before shipping, therefore it may run down sooner than
the battery life specified in the instruction manual.

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

Bandwidth

Size/Weight

Accessories included

Fuse

Battery

