

High accuracy & high resolution (PC Link)



CE

PC5000a



50000 & 500000 Count

- 4-4 / 5 digits 50000 count (Selectable 5-4 / 5 digits 500000 count for DCV & Hz)
- 0.03% best accuracy
- AC / AC + DC True RMS
- Fast speed bar graph
- Capacitance measurement (5000 count)
※ Not suitable for measurement of condensers with large leak current.
- 4-20mA% measurement
- dBm 20 selectable reference impedance
- Line frequency (AC sine wave) measurement
- Logic frequency measurement
- Duty cycle measurement
- Capture (peak hold) 0.8ms in duration
- MAX, MIN, MAX-MIN recording mode
- Peak hold
- Data hold, Range hold
- Relative value
- Auto power off (17min.) (cancelable)
- Alarm for improper test lead insertion to current terminal
- Protective holster with wall hanger and lead holder
- Tilt stand
- Optical link RS232C / USB interface (optional)

Display : numeral display 50000 & 500000 selectable
Bar graph 52 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

AC frequency bandwidth : V : 45Hz~1kHz, 1kHz~20kHz (below 500V),
A : 45Hz~1kHz

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

Battery life : Approx. 120h (alkaline battery) at DCV range



Function	Measuring range	Best accuracy	Resolution	Input impedance
DCV	500m/5/50/500/1000V	± (0.03%+2)	0.01mV	10MΩ
ACV	500m/5/50/500/1000V	± (0.8%+60)	0.01mV	
DCA	500μ/5000μ/50m/500m/5/10A	± (0.1%+20)	0.01μA	
ACA	500μ/5000μ/50m/500m/5/10A	± (1.0%+40)	0.01μA	
Resistance	500/5k/50k/500k/5M/50MΩ	± (0.2%+6)	0.01Ω	10MΩ
Capacitance	50n/500n/5μ/50μ/500μ/9999μF	± (0.8%+3)	0.01nF	
Frequency	10Hz~200kHz	± (0.02%+4)	0.0001Hz	
Logic frequency	5Hz~2MHz	± (0.002%+4)	0.0001Hz	
Duty cycle	0.1%~99.99%	± (3d / kHz+2)		
dBm	-11.76dBm~54.25dBm at 600Ω	± (0.25dB+2)		
4~20mA%	4mA~0%, 20mA=100%	±25d	0.01%	
Continuity	Buzzer sounds at between 20Ω and 200Ω. Open voltage : approx. 3V			
Diode test	Open voltage : approx. 3.5V			

Bandwidth	V : 45Hz~1kHz 1kHz~20kHz (below 500V), A : 45Hz~1kHz
Fuse	12.5A/500V IR20kA φ6.3×32mm 0.63A/500V IR200kA φ6.3×32mm
Battery	6LF22 (9V)×1
Size / Weight	H179×W87×D55mm / 460g (including holster)
Standard accessories included	Test lead (TL-82), Holster (H-50), Clip adapter (CL-13), Instruction manual

Optional accessories

Software : PC Link, PC Link Plus
Optical PC link cable : KB-RS2a, KB-USB2a
Clamp probe : CL124, CL140, CL-20D, CL-22AD, CL33DC
Temperature probe : T-300PC (PC Link software is necessary.)
Test lead : TL-21M, TL-21, TLF-120
Carrying case : C-CD

High accuracy & built-in memory (PC Link)



CE

PC520M



43,000 points data logging in built-in memory

- 3-4 / 5 digits 5000 count
- 0.08% best accuracy
- AC True RMS
- Fast speed bar graph
- Capacitance measurement
※ Not suitable for measurement of condensers with large leak current.
- 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)
- Data hold / Range hold
- Auto power off (17min.) (cancelable)
- Test lead resistance zero adjustment function
- Protective holster with wall hanger and lead holder
- Tilt stand
- Optical link RS232C / USB interface (optional)

Data Logging Mode

- 43,000 data points in built-in memory
- Selection of measurement interval
0.05s/1s/20s/40s/1min/2min/4min/8min (DCV, ACV, DCA, ACA)
0.2s/1s/20s/40s/1min/2min/4min/8min (°C, Ω)
0.4s/1s/20s/40s/1min/2min/4min/8min (Hz)
- Auto-standby mode during data logging to extend battery life
- Auto-stop of data logging when batteries are low to guarantee accuracy of every logged datum
- Export logged data to PC

Display : numeral display 5000, bar graph 52 segments

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

AC frequency bandwidth : 40Hz~20kHz (below 500V), 40Hz~1kHz (ACA)

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

Battery life : Approx. 150h (alkaline battery) at DCV range



Function	Measuring range	Best accuracy	Resolution	Input impedance	
DCV	50m/500m/5/50/500/1000V	± (0.08%+2)	0.01mV	10MΩ	
ACV	50m/500m/5/50/500/1000V	± (0.5%+3)	0.01mV		
DCA	500 μ/5000 μ/50m/500m/5/10A	± (0.2%+4)	0.1 μA		
ACA	500 μ/5000 μ/50m/500m/5/10A	± (0.6%+3)	0.1 μA		
Resistance	50/500/5k/50k/500k/5M/50MΩ	± (0.2%+2)	0.01Ω	10MΩ	
Capacitance	50n/500n/5μ/50μ/500μ/9999μF	± (0.8%+3)	0.01nF		
Temperature	-50C~1000C (thermocouple K type)	± (0.3%+3)	1C		
Frequency	10Hz~125kHz	± (0.01%+2)	0.001Hz		
Continuity	Buzzer sounds at between 20Ω and 120Ω. Open voltage : approx. 3V				
Diode test	Open voltage : approx. 3.5V				

Bandwidth	40Hz~20kHz (below 500V) 40Hz~1kHz (ACA)
Fuse / Battery	12.5A/500V IR20kA φ6.3×32mm 0.63A/500V IR200kA φ6.3×32mm 6LF22 (9V)×1
Size / Weight	H179×W87×D55mm/460g (including holster)
Standard accessories included	Test lead (TL-82), Holster (H-50), Thermocouple K type (K-250PC), Clip adapter (CL-13), Instruction manual

Optional accessories

Software : PC Link, PC Link Plus
Optical PC link cable : KB-RS2, KB-USB2
Clamp probe : CL124, CL140, CL-20D, CL-22AD, CL33DC
Temperature probe : T-300PC (PC Link software is necessary.),
K-8-250~800
K type adapter : K-AD
Test lead : TL-21M, TL-21, TLF-120
Carrying case : C-CD