

SEINTEK® B4200 3 1/2~5 1/2 Programmable Digital MultiMeter

▣ Features



- Programmable**
- Record (MAX / MIN): Records and displays the MAX and MIN values of the input value.
 - Relative (REF / ERR): This mode measures how much the input value deviates from a reference value and displays the deviation as a % error according the formula.
 - Compare (GO-NOGO): The LCD will display **PASS** if the input value is with in the HI/LO limits, **LO** if the value is lower than the **LO** limit and **HI** if the value is higher than the **HI** limit.

Resolution ▪ Selectable 3-1/2 to 5-1/2 Digit resolution (Fast, Middle, Slow mode)

True RMS ▪ True RMS, AC

Range ▪ Full Auto Range

Measurement ▪ DCV, ACV, OHM, BEEP, DIODE, FREQ, DC μ A/mA, DCA, AC μ A/mA and ACA.

Trend Plot ▪ The REF is the centerline value on the trend graph, H/Div is the X axis (time) and V/DIV is the Y axis (amplitude).

Setup ▪ Setting and functions may be selected and stored in memory from the front panel. Eight setups may be stored in memory.

Equipment ▪ Displays information about your instrument including the Model number, serial number, Calibration date, GP-IB address and Firmware revision.

Remote Control ▪ Function and ranges may be controlled from a PC via the RS232 or the optional GP-IB interface.

Power Source ▪ May be used with any line voltages from 85V to 270Vac ($\pm 10\%$, 48 to 66Hz) without any internal changes.

Display ▪ 128 by 64 pixel Super Twisted LCD display



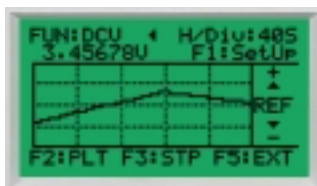
Programmable Record



Programmable Relative



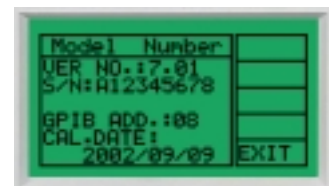
Programmable Compare



Trend Plot



Setup



Equipment

Electrical Specifications

DC Voltage	Range	Resolution			Accuracy	Impedance	Max. Input Voltage
		Slow	Medium	Fast			
	2 V	0.00001 V	0.0001V	0.001V	±(0.05%+3D)		
	20 V	0.0001 V	0.001V	0.01V			
	200 V	0.001 V	0.01V	0.1V			
1000 V	0.01 V	0.1V	1V	0.1%±5D			
AC Voltage	Range	Resolution			Accuracy	Impedance	Max. Input Voltage
		Slow	Medium	Fast			
	2 V	0.00001 V	0.0001V	0.001V	±(0.05%+5D)		
	20 V	0.0001 V	0.001V	0.01V			
	200 V	0.001 V	0.01V	0.1V			
1000 V	0.01 V	0.1V	1V	±(0.75%+5D)			
OHM	Range	Resolution			Accuracy	Max. Input Voltage	
		Slow	Medium	Fast			
	200 Ω	0.001 Ω	0.01 Ω	0.1 Ω	±(0.2%+5D)		
	2 kΩ	0.00001 kΩ	0.0001 kΩ	0.001 kΩ			
	20 kΩ	0.0001 kΩ	0.001 kΩ	0.01 kΩ	±(0.05%+5D)		
	200 kΩ	0.001 kΩ	0.01 kΩ	0.1 kΩ			
2 MΩ	0.00001 MΩ	0.0001 MΩ	0.001 MΩ				
20 MΩ	0.0001 MΩ	0.001 MΩ	0.01 MΩ	±(0.2%+5D)			
Continuity Buzzer	100Ω or less						
Diode	Range	Resolution			Max Test Current	Max. Input Voltage	
		Slow	Medium	Fast			
	2.00000 V	0.00001 V	0.0001V	0.001V	About 1mA	±250 V	
Frequency	Range	Resolution			Accuracy	Max. Input Voltage	
		Slow	Medium	Fast			
	200 Hz	0.001 Hz	0.01 Hz	0.1 Hz	±(0.05%+2D)		
	2 kHz	0.00001 kHz	0.0001 kHz	0.001 kHz			
	20 kHz	0.0001 kHz	0.001 kHz	0.01 kHz			
200 kHz	0.001 kHz	0.01 kHz	0.1 kHz	±(0.05%+2D)			
2 MHz	0.00001 MHz	0.0001 MHz	0.001 MHz				
DC µA/mA	Range	Resolution			Accuracy	Max. Burden	Overload Protection
		Slow	Medium	Fast			
	200 µA	0.001µA	0.01µA	0.1µA	±(0.1%+5D)		
200 mA	0.001mA	0.01mA	0.1mA				
DC Ampere	Range	Resolution			Accuracy	Max. Burden	Overload Protection
		Slow	Medium	Fast			
	10 A	0.0001A	0.001A	0.01A	±(0.1%+5D)	200 mV	10A /250V Fuse
AC µA/mA	Range	Resolution			Accuracy	Max. Burden	Overload Protection
		Slow	Medium	Fast			
	200 µA	0.01µA	0.01µA	0.1µA	±(0.1%+5D)		
200 mA	0.01mA	0.01mA	0.1mA				
AC Ampere	Range	Resolution			Accuracy	Max. Burden	Overload Protection
		Slow	Medium	Fast			
	10 A	0.001A	0.001A	0.01A	±(0.1%+5D)	200 mV	10A /250V Fuse
General	Power Source		85V to 270Vac(±10%, 48 to 66Hz)				
	Dimensions / Weight		235(W) x 296(D) x 85(H) mm / About 1.5 kg				
	Standard Accessories		Users Manual, Test lead, Line Cord, Spare fuse, RS232 Cable and S/W				
	Optional Accessories		GP-IB (IEEE-488.2) Interface (Installed)				
Packing Details	Packing	Q'ty	Size (mm)		N.W. (kg)	G.W. (kg)	Remark
	Inner	1	265(L) x 375(W) x 115(H)		-	2.2	
	Carton	4	550(L) x 405(w) x 270(H)		8.8	10	