

SEINTEK® S2405 Programmable Universal Scope

Features



- Dual Channel and Auto Calibration.
- DC to **5MHz** Oscilloscope band width
- Sampling Time
Dual CH mode: **25 Ms/S**
Single CH mode: **50 Ms/S**
- Automatic Triggering.
- Automatic setting for horizontal and vertical division
- Roll and Single shot mode
- Excellent internal noise reduction
- Real time Update.
- Auto ranging.
- 16 shot waveform and setup memories
- Built-in auto ranging True-RMS digital multi-meter
- Data hold and run mode.
- Extra Bright Back light display
- Low battery indication.
- Max. Voltage between any Input and Ground: DC or AC 600Vpeak
- RS-232 interfaces for transferring measurement data and waveform.
- Display Type: Super-Twist 132 x 128 pixels
- Designed to comply with safety standard for UL3111, CSA C22.2 No.1010-1



LCD Display

Electrical Specifications

Oscilloscope Function

Horizontal		Vertical	
Sample Rate	50 MS/s (Single CH) 25 MS/s (Dual CH)	Bandwidth	DC-5MHz
Record Length	512 in single shot mode and 256 in all other modes.	Resolution	8 Bit
Sample / Div	25	Channels	Dual
Update Rate	Real Time	Coupling	AC, DC
Modes	Single shot, Roll, Normal	Input impedance	1 M Ω
Accuracy	0.01%	Accuracy	3%
Sweep Rate	1 μ S to 5S in 1, 2, 5 sequence	Max. Input Volts	DC or AC 600Vp
		Volt / Division	50mV to 500V in 1, 2, 5 sequence
Triggering		Other	
Type	Internal, External	Wave Form Memory	16 Shots
Coupling	AC, DC		
Slope	\uparrow or \downarrow edge		
Internal Sensitivity	2 / 20 Division		

Digital MultiMeter Function

DC V	Range	Resolution	Accuracy			Impedance 1 M Ω
	5V	0.001V	$\pm(0.3\%+3)$			
	50V	0.01V	$\pm(0.5\%+5)$			
	500V	0.1V				
1000V	1V					
ACV	Range	Resolution	Accuracy			Impedance 1 M Ω
			50~450Hz	0.45k~5kHz	5k~20kHz	
	3V	0.001V	$\pm(0.75\%+5)$	$\pm(2\%+5)$	$\pm(2.5\%+5)$	
	30V	0.01V				
	300V	0.1V				
750V	1V	N/A				
OHM	Range	Resolution	Accuracy			Over Load Protection 600V DC or AC Peak
	5 k Ω	0.001 k Ω	$\pm(0.5\%+5)$			
	50 k Ω	0.01 k Ω				
	500 k Ω	0.1 k Ω				
	5 M Ω	0.001 M Ω				
Continuity Buzzer	Test Voltage		Threshold		Over Load Protection	
	1.7V		100 digits		600V DC or AC Peak	
Frequency (Full Auto Range)	Range	Resolution	Accuracy			Over Load Protection 600V DC or AC Peak
	100 Hz	0.01 Hz	$\pm(0.05\%+5)$			
	1 kHz	0.0001 kHz				
	10 kHz	0.001 kHz				
	100 kHz	0.01 kHz				
1 MHz	0.0001 MHz					
RPM	Range		Resolution			Accuracy
	240 – 60,000		1 RPM			$\pm(0.05\%+5)$
Pulse Width	Range		2 μ S – 500mS (Pulse Width > 2 μ S)			
% Duty	Range		25% - 75%			
General	Power Requirement		Ni-MH Battery 4.8V (1.2V x 4 cell)			
	Battery Life Time		4 Hours with Backlight off, 3 Hours with Backlight on			
	Dimensions / Weight		90(W) x 195(H) x 40(D) mm / About 260g			
	Standard Accessories		Users Manual, Test Leads (2), Ni-MH Battery Pack, AC Power & Rechargeable Adaptor			
			RS232 Cable & S/W, Rubber Holster, Carrying Case			