

Digital Storage Oscilloscope

Protek 6800 Series

Protek 6810C

The Protek 6800 Series are kinds of portable Digital Storage Oscilloscope of new type with advanced digit memory. There are many functions such as data storage, auto measurement for cursors and parameters, waveform calculation and FFT analysis. It can be easily operated and it is small sized, light weighted with lower consumption and high reliability.



Digital Storage Oscilloscope

Features

- Real Time Sampling Rate : 100MS/s
- Equivalent Sampling Rate : 25GS/s
- Function for Zoom in feature
- Multi Cursors Function (ΔV , ΔT , $1/\Delta T$)
- 16 Auto Measurement Functions
- Math and FFT Functions

- 256KB Store and Data Process by channel
- Auto Calibration Functions
- 5 Waveforms Storage and Recall Function/ 5 Setup Memory
- RS232C, GPIB Interface
- RS232C Interface for Min Printer
- One-Touch Single-Shoot Function (25MHz)
- Support various languages

Accessories

- Probe 2EA
- Power Code 1EA
- User's Manual 1EA
- RS-232C Cable 1EA
- GUI Software 1EA



Protek
www.protek-oscilloscope.com

Specifications

MODEL	6810C / 6810M	6806C / 6806M
Frequency Range	100MHz	60MHz
Input Channel	2	
Real time Sampling Rate	100MS/s	
Equivalent Sampling Rate	25GS/s	
Vertical		
Sensitivity	2mV/div~5V/div	
Accuracy	±3%	
Resolution	8bit	
Input Impedance	1M Ω ±2%, 28pF±5pF	
Rising Time	3,5ns	5,8ns
Max. Input Voltage	400V (DC+AC peak)	
Frequency Bandwidth Limitation	20MHz	
Input Coupling	AC, DC, GND	
Overshoot, Ringing	5%	
Horizontal		
Sensitivity	10s to 2,5ns/div	10s to 5ns/div
Sweep Time Base	Roll, Refurbish, Normal, Equivalent, X-Y	
Accuracy	±2%div ±0,6ns	
Memory	256KB / CH (Fast trigger : 2KB)	
Equivalent time Resolution	100ps	
Sweep Delay	±0, 25, 50, 75%	
Waveform Measurement Mode	Normal, Average, Peak value	
Sweep Mode	Auto, Trigger, Single	
TRIGGER		
Mode	Edge, Video, (TV-H, TV-V)	
Input Coupling	AC, DC, LF, HF, Noise Reject	
Sensitivity	Normal DC~20MHz : 1div	20MHz~100MHz :1,5div
	Auto DC~20MHz : 1div	20MHz~100MHz :1,5div
		TV : 1,5div
		TV : 1,5div
Trigger Source	CH-1, CH-2, EXT, LINE	
Optional Function		
Cursor Measurement	ΔV , ΔT , 1/ ΔT	
Auto Measurement	Voltage : Vpp, Vrms, Mean, Vmax, Vmin, Vlop, Vbottom Frequency: Freq, Period, Positive W, Negative W, Risetime, Falltime, Duty, Delay1, Delay2	
Storage	5 Waveform/CH, 5 Setup/CH	
Calculation(Math)	A+B, A-B, A X B, A/B, FFT	
Interface	RS232C, GPIB	
Display	Color / Mono	
Power	AC 220V/110V±10%, 50Hz±5%, 30W	
Dimension/Weight	145mm(L) X 320mm(W) X 210mm(H) /4,5Kg	

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