

New Product

Protek

Digital Storage Oscilloscope



Protek 5000 Series

GS Instruments Co., Ltd.

1385-14, Juan-dong, Nam-ku, Incheon 402-200, Korea

✉ isale@gsinstrument.com

🌐 www.gsinstrument.com

This is global

GS

Protek 5000 Series

Digital Storage Oscilloscope



Specifications

GSI Model Number	Protek 5020	Protek 5060	Protek 5100	Protek 5200	Protek 5102	Protek 5302
Bandwidth	25MHz	60MHz	100MHz	200MHz	200MHz	300MHz
Channels	2CH+1EXT					
Real-Time Sampling Rate	500MSa/s(single channel),250M Sa/s (double channel)			2G Sa/s(single channel),1G Sa/s(double channel)		
Equivalent-Time Sampling Rate	10G Sa/s	50G Sa/s	50G Sa/s	50G Sa/s	50G Sa/s	50G Sa/s
Horizontal						
Range	25ns/div-50s/div	5ns/div-50s/div	2.5ns/div-50s/div	2.5ns/div-50s/div	2.5ns/div-50s/div	1.0ns/div-50s/div
Scan	100ms-50s/div					
Step	1-2.5-5 Order					
Mode	Main,Window,Window Zoom,Scan,X-Y					
Bandwidth Limit	20MHz(-3dB)(Except Protek 5020)					
Vertical						
Rise Time	<14ns	<5.8ns	<3.5ns	<1.8ns	<1.7ns	<1.2ns
Maximum Input	±400 V (DC+AC Pk-Pk) CAT I CAT II					
Input Impedance	1MΩ 17pF			1MΩ 13pF,50Ω		
Polarity	NORMAL/INVERT					
Probe	1X/5X/10X/50X/100X/500X/1000X			1X/10X/100X/1000X		
Trigger						
Source	CH1,CH2,EXT,EXT/5,AC Line					
Trigger Sensitivity	Internal:±(0.2div×V/div)(within ±4divisions from center of screen) EXT:±(6%of setting+40mv) EXT/5:±(6%of setting+200mv)					
Mode	Auto,Normal,Single					
Type	Edge,Pulse,Video,Slope,Alternative					
Other						
Voltage Measurement	Vpp,Vmax,Vmin,Vamp,Vtop,Vbase,Vavg,Mean,Vrms,Crms,FOV,FPRE,ROV,RPRE					
Time Measurement	Period,Freq,+Wid,-Wid,Rise time,Fall time, BWid,+Dut,-Dut					
Cursors Measurement	Manual mode,Track mode,Auto mode					
Waveform Signal Process	CH1+/-CH2, CH1*CH2, CH1/CH2, FFT					
Interface	Classical,Modern,Traditional,Succinct					
Display	7 inches(178mm) color TFT(480*234)LCD					
Display Resolution	480 horizontal by 234 vertical pixels					
Power Source	AC 100-240V,45Hz-440Hz,50VA Max					
Dimension/Weight	323.1 mm×135.1 mm×157mm(L×W×H) 2.5Kg			358mm×156mm×118mm(L×W×H) 4.3Kg		
Memory depth	32Kpts(single channel),16Kpts(double channel)			24Kpts(single channel),12Kpts(double channel)		
Vertical sensitivity	2mv-10v/div(1-2-5 order)			2mv-5v/div(1-2-5 order)		
Vertical resolution	8bit					
Coupling	AC,DC,LF rej,HF rej					
Range	CH1,CH2:±6divisions from center of screen EXT:±1.2V EXT/5:±6V					
Math operation	+,-,*,/,FFT					
Digital filter	High-Pass,Low-Pass,Band-Pass,Band-Stop					
Internal storage	2groups of reference waveforms,20 groups of settings,20 groups of wavefoums			2 groups of reference waveforms,20 groups of settings,20 groups of wavefoums		
External storage	Bitmap save,CSV save,Waveform save,Setting save					
Lasting	off,1s,2s,5s,Infinite					
Language	English,French,German,Russian,Spanish,Simplified Chinese,Traditional Chinese,Portuguese,Japanese,Korean,Italian,Arabic					