MSO-19

Preliminary Specifications.



Specifications			
Timebase			
Rate (single shot)	200MSa/s to 10KSa/s 5nS/sample to 100uS/sample 50nS/division to 10mS/division		
Rate (Repetitive)	2GSa/s and 1GSa/s 5nS/division to 100nS/division		
Accuracy	+/- 0.01%		
Resolution	5ns		
Skew	< 5 ns		
Inputs			
Inputs	1 DSO + 8 Logic Analyzer		
Outputs			
Outputs	8 Pattern Generator + 1 Trigger out (TTL)		
Pattern Generator			
Rate	100MSa/s...10KSa/s		
Buffer Size	Max: 1023 points to 3 points		
Arming control	Sync with MSO trigger, sync with MSO arm and manual start.		
Loop control	Continuous and variable.		
Code generation wizard	SPI, Counter, clock....		
Output control	Individual channel and sample by sample output enable.		
Analog			
Bandwidth	50MHz		
Gain Range (per division) *full scale 10 divisions*	Probe	Voltage per division	Full scale voltage
	1x	50mV to 500mV per division	400mV to 4V
	10x	500mV to 5V per division	4V to 40V
Max Input Voltage	*max input voltage at probe tip depends on probe type (1x and 10x,)*		

	Probe	Continuous
	BNC	± 20V DC
	1X probe:	± 20V DC
	10X probe:	± 200V DC
Vertical Range	8 divisions	
Offset Range	± 4 divisions	
Offset Resolution	12.5mV	
Coupling	AC and DC	
Impedance	1MΩ // 15pF	
DC Accuracy	± 2%	
Digital		
Impedance	100K ohm || 2pF	
Sensitivity	<500 mv	
Max. input voltage	+5.5V DC	
Bandwidth	50MHz	
Threshold voltage	0.6V to 1.65V (1.2, 1.5, 1.8,2.5,3.0, 3.3, 5.0V Logic Families)	
Memory		
Buffer Size	1000 points/channel	
Trigger		
Type	Rising Edge (Adjustable level), Falling Edge (Adjustable level), Pulse Width & Pulse Count 8 bit wide Logic Analyzer I2C SPI	
External trigger	Any of the digital inputs can be used as an external trigger.	
External trigger out	Yes.	
Mode	Auto, Normal and Single.	
Autosetup	Yes.	
Range (vertical)	8 divisions.	
Resolution	12.5mV	
Software		
Windows XP/Vista	yes	
Spectrum Analysis / FFT	yes	
Measurements	yes	
Physical		
Interface	USB	
Probes	One 1x/10x switchable probe is included.	
Connectors	BNC: 2 total: Input and trig-out Logic Analyzer/Pattern Generator: 8 USB	

Calibration point	Yes
Power Requirement	USB powered
Dimensions	MSO: 4.1" x 2.4" x 1.1" Shipping box: 10" x 6" x 3" Shipping weight: 14oz.

Prices		Buy Now
	Price	**Part Number**
	$249	MSO-19 *(includes: MSO, oscilloscope probe, wire harness, logic analyzer clips, USB cable)*
Optional accessories		
DLL Library		tbd
10x/100x Differential Probe	$395	DSO-probe-dif-kit *(includes: probe, power supply, assorted clips, carrying case)*
100x Probes *(100MHz, 2 meters)*	$72	DSO-probe-x100
1x/10x Probes *(100MHz, 2 meters)*	$60	DSO-probe-2M
1x/10x Probes *(150MHz, 1.2 meter)*	$45	P-PROBE-P150
Wire harness		
LA-Clips		
LA-NanoClips-11		
LA-NanoClips-4		

Previous (Features)

Link Instruments Inc. 17A Daniel Road East Fairfield, NJ 07004 973-808-8990 www.Linkinstruments.com