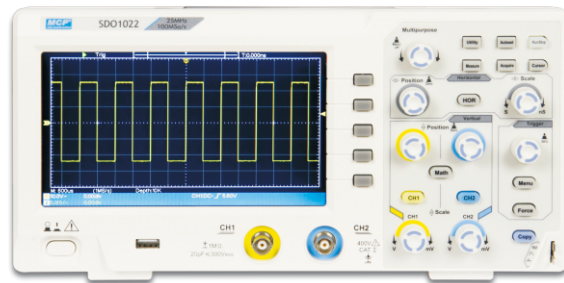


SDO 1000 SERIES

Features

- . Bandwidth : 25MHz and 100MHz
- . Sample rate : 100MS/s - 1GS/s
- . 2-Channel
- . Ultra-thin body
- . 7 inch high resolution LCD
- . SCPI, and LabVIEW supported



SDO 1022

Technical Data	SDO 1022	SDO 1102
Channels	2	2
Bandwidth	25MHz	100MHz
Sample Rate	100MS/s	1GS/s
Display	7" color LCD, 800 x 480 pixels	
HorizontalScale	5ns/div - 1000s/div	2ns/div - 1000s/div
Rise Time	17.5ns	3.5ns
Input Impedance	1M Ω \pm 2%, in parallel with 20pF \pm 5pF	
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1	
Max Input Voltage	400V (PK - PK) (DC+AC,PK - PK)	
DC Gain Accuracy	\pm 3%	
Record Length	10K	
DC Accuracy(average)	\geq 16: \pm (3% reading + 0.05 div) for Δ V	
Probe Attenuation Factor	1X, 10X, 100X, 1000X	
LF Respond (AC, -3dB)	10Hz (at input, AC coupling, -3dB)	
Sample Rate	\pm 100ppm	
Relay Time Accuracy		
Interpolation	sin (x) / x	
Interval (Δ T) Accuracy (full bandwidth)	Single : \pm (1 interval time + 100ppm x reading + 0.6ns) Average $>$ 16: \pm (1 interval time + 100ppm x reading+ 0.4ns)	
Input Coupling	DC, AC , and GND	
Vertical Resolution(A/D)	8 bits (2 channels simultaneously)	
Vertical Sensitivity	5mV/div - 5V/div (at input)	
Trigger Type	Edge, Video	
Trigger Mode	Auto, Normal, and Single	
Trigger Level	\pm 5 divisions from screen center	
Line / Field Frequency (video)	NTSC, PAL and SECAM standard	
Cursor Measurement	Δ V, and Δ T between cursors	
Automatic Measurement	Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot, Rise time, Fall time, +Width, -Width, +Duty,-Duty, Delay A->B $\overleftarrow{\text{f}}$, Delay A->B $\overrightarrow{\text{f}}$, area, cycle area	
Waveform Math	+, -, x, \div , invert, FFT	
Waveform Storage	16 waveforms	
Lissajous Figure Bandwidth	Full bandwidth	
Phase Difference	\pm 3 degrees	
Communication Interface	USB host, USB device	
Frequency Counter	available	
Power Supply	100V - 240V AC, 50/60Hz, CAT II	
Power Consumption	<15W	
Fuse	2A, T class, 250V	
Dimension (W x H x D)	301 x 152 x 70 mm	
Weight	1.10 kg	