

Oscilloscope

Oscilloscope / Multimeter / Signal Generator

Model: 240 240S 270 270S 2102 2102S



Features

Model	240	240S	270	270S	2102	2102S
Bandwidth	40MHz	40MHz	70MHz	70MHz	100MHz	100MHz
Signal generator function	---	√	---	√	---	√
Channel	2					
Sample rate (real time)	125MS/s (2 channel), 250MSa/s (1 channel)				250 MS/s (2 channel) 500 MS/s (1 channel)	
Record length	8K points (1 channel), 4K points (2 channel)					
Waveform refreshing rate	10,000wfms/s					
Input Coupling	DC, AC, and GND					
Input Impedance	1MΩ ± 2%, in parallel with 16pF±10pF					
Probe attenuation factor	1x,10x,100x,1000x					
Max input voltage	400V (DC + AC, PK - PK)					
Horizontal scale (s/div)	5ns/div~1000s/div, step by 1 ~ 2 ~ 5					
Vertical sensitivity	10mV/div~10V/div					
Vertical resolution (A/D)	8 bits					
Cursor measurement	voltage difference(ΔV), time difference (ΔT)					
Auto measurement	Cycle, frequency, amplitude, Peak value, Max./Min./Average value					
Trigger	Edge					
Trigger mode	Auto, Normal, Single					
Display	3.5-inch color LCD, 320x240 pixels					
Interface	USB type-C					
SCPI	Support					

Digital Multimeter specifications

Functions	Range	Accuracy
DC V	200.00mV	$\pm (0.05\%+5)$
	2.0000V/20.000V/200.00V	$\pm (0.3\%+3)$
	1000.0V	$\pm (0.5\%+2)$
AC V	200.00mV/2.0000V/20.000V/200.00V	$\pm (0.8\%+5)$
	750.0V	$\pm (1\%+5)$
AC A	200.00mA	$\pm (0.8\%+2)$
	10.000A	$\pm (2.5\%+2)$
DC A	200.00mA	$\pm (1\%+5)$
	10.000A	$\pm (2.8\%+5)$
Resistance	200.00 Ω /2.0000k Ω /20.000k Ω /200.00k Ω /2.0000M Ω	$\pm (0.8\%+3)$
	20.000M Ω	$\pm (1\%+3)$
	100.00M Ω	$\pm (3\%+3)$
Capacitance	20.000nF/200.00nF/2.0000uF/20.000uF/200.00uF/2.0000mF	$\pm (3\%+10)$
Diode	yes	
Continuity	yes	
Auto off	yes	
True RMS	yes	
Max reading	19999	
Relative value	yes	

Signal Generator specification (Only for model 240S ,270S, 2102S)

Functions	Waveform features	Sine wave
Waveform features	Sine wave	0.1Hz~25MHz
	Square wave	0.1Hz~5MHz
	Sawtooth wave	0.1Hz~1MHz
	Pulse Wave	0.1Hz~5MHz
	Arbitrary wave	0.1Hz~5MHz
Sampling time	125Msa/s	
Amplitude (50 Ω)	0.01Vpp~2.5Vpp	
Channel	1	
Waveform length	8k	
Vertical resolution	14 bits	
Output impedance	50 Ω	

General Information

Model	240	240S	270	270S	2102	2102S
Power supply	2200mAh*2 (3.7V,18650), DC5V power adapter					
Product color	Black+ orange					
Product weight	600g					
Product size	198mm × 96mm × 38 mm					
Standard accessories	Power adapter, USB cable, Probe, Probe adjuster, Testing leads, manual					