

DQ7000 Series

DIGITAL STORAGE OSCILLOSCOPE

Features

- .Easy to read with color or monochrome(NST) LCD display
- .Dual channel, bandwidth 25-200MHz
- .Sample Rate(Real-time)250MHz up to 1GSa/s, equivalent sampling 50GSa/s
- .4K channel memory depth
- .Advanced Triggering function from edge, video, pulse and delay
- .+ .- .x .÷Mathematic Functions
- .FFT spectrum analysis: Hanning, Hamming, Blacking, etc.
- .10 Waveforms parameter Setups . Save . Recall
- .Capture rate is up to 1K/s
- .Digital filter and waveform recorder
- .Automatic self calibration
- .Front mask and cable container
- .Multiple-language user interface



DQ7102CA
Large view

		DQ7202CA	DQ7152CA DQ7152SA	DQ7102CA DQ7102SA	DQ7062CA DQ7062SA	DQ7042SA
Bandwidth		200MHz	150MHz	100MHz	60MHz	40MHz
Real time sample rate		1GS/S				
Equivalent sample rate		50GS/S				
Rise time		1.8ns	2.3ns	3.5ns	5.8ns	8.8ns
Time base range		1ns/div~50s/div	2ns/div~50s/div	2ns/div~50s/div	5ns/div~50s/div	5ns/div~50s/div
X-Y operation	Bandwidth	200MHz	150MHz	100MHz	60MHz	40MHz
	Phase DHerece	±3 degree				
		DQ7152 DQ7152S	DQ7102C DQ7102S	DQ7062C DQ7062S	DQ7042S	DQ7022S
Bandwidth		150MHz	100MHz	60MHz	40MHz	25MHz
Real time sample rate		250MS/S				
Equivalent sample rate		50GS/S				
Rise time		2.3ns	3.5ns	5.8ns	8.8ns	14ns
Time base range		2ns/div~50s/div	2ns/div~50s/div	5ns/div~50s/div	5ns/div~50s/div	20ns/div~50s/div
X-Y operation	Bandwidth	150MHz	100MHz	60MHz	40MHz	25MHz
	Phase DHerece	±3 degree				
Input impedance		1MΩ / 13pF 50Ω				
Display		Color LCD(C)/Mono LCD(S) 320x240				
Number of Channel		Two channels and EXT. Trig				
Memory		4K per channel				
Vertical sensitivity		2mV/div~5V/div				
Vertical resolution		8 bits				
Input coupling		DC, AC, GND				
Trigger mode		Auto, Normal, Single				
Trigger type		Edge, TV, Pulse width, Delay				
Trigger coupling		DC, AC, LF Rej, HF Rej				
Horizontal accuracy		±0.01%				
Math		.+ .- .x .÷,FFT				
FFT	Window	Hanning, Hamming, Blackman, Rectangular				
	Sample	1024 points				
Auto measurement		Vpp.Vmax.Vmin.Vtop.Vbase.Vamp.Vrms.Vavg.Vover.Vpre Freq.Period.Rise.Fall.+Width.-Width.+Duty.-Duty.DelayA.DelayB				
Refresh rate		1000wfms/s				

Cursor measure	Manual. Trace. Auto measure
Storage	10 Wave forms. 10 setups
I/O	USB device
Power	100V~240V/50VA Max
Net weight	5kg
Dimensions	312(W)x145(H)x300(D)mm
Accessories	Probex2(1x.10x), Power cord, Operation manual
