

DQ6000 Series

DIGITAL STORAGE OSCILLOSCOPE

Features

- . 500MSa/s~1GSa/s sampling rate
- . 7 inch wide rectangle colour LCD
- . One key print screen
- . 2 x 512k words per channel record length
- . FFT function
- . Auto-setting for quick setup and waveform acquisition
- . Advanced cursor modes: manual, auto and track

DQ6025



TechnicalData	DQ6025	DQ6052	DQ6052E	DQ6102E
Display				
Type	7" rectangle color LCD			
Backlight intensity	300cd/m ²			
Display resolution	400 horizontal × 240 vertical pixels			
Display contrast	Adjustable			
VERTICAL SYSTEM				
Sensitivity and accuracy	1mV / DIV~20V / DIV			
Vertical resolution	8 bit			
Width of band (-3dB)	25MHz	50MHz	50MHz	100MHz
Rise time	≤14ns	≤7ns	≤7ns	≤3.5ns
Sing-shot band width	25MHz	50MHz	50MHz	100MHz
Input coupling	DC , GND , AC			
DC gain accuracy	±5% (1mV/DIV~2mV/DIV), ±4% (5mV/DIV) ±3% (10mV/DIV~20mV/DIV)			
Delta voltage Measurement accuracy	±(3%Rdg+0.05DIV)			
HORIZONTAL SYSTEM				

SEC/DIV range	10ns~50s/DIV	5ns~50s/DIV	2ns~50s/DIV	2ns~50s/DIV
Sampling rate range	500M Sa/s	500M Sa/s	1G Sa/s	1G Sa/s
Wave form interpolation	(Sinx)/x			
Record length	2 x 512k/channel			
Memory length	25k (12.5k per channel)			
Sampling rate and delay Time accuracy	±100ppm over any ≥1mS time interval			
Delta time Measurement accuracy	Single ± (1 sampling interval time+ 100ppm x rdg +0.6ns) Average ± (1 sampling interval time+ 50ppm x rdg +0.4ns)			
TRIGGER SYSTEM				
Acquisition Mode	AUTO, Normal, Single			
Type	Edge,TV, pulse, Width			
Hold Off Range	80ns~1.5s			
MATH	+, -, ×, ÷			
	FFT			
ACQUIRE INPUT				
Input coupling	DC、 AC or GND			
Input impedance	1MΩ±2% 20pF±3pF			
Probe attenuation	1x、 10x、 100x、 1000x			
Max.input voltage	400V (DC + AC peak) at 1KHz or less			
Channel CMR	Better than 40:1			
Channel isolation	Better than 40:1			
DISPLAY				
Persist time	1s, 2s, 5s			
STORAGE	Waveform, Setup, Bit			
RECORDER	Record, Replay			
MEASUREMENT				
Cursor	Voltage differenceΔ(V) between cursors			
	Time difference(ΔT) between cursors			
	Reciprocal of ΔT in Hz (1/ΔT)			
AUTO-Mesure	Vrms, Vavg, Vp-p, Vmax, Vmin, Vtop, Vhigh, Vlow, Vmid, Vamp; period, Freq, Rise, Fall, +Width, +Duty, -Duty, Delay			
I/O				
Standard	USB OTG			
CALIBRATOR SIGNAL				
Output Voltage	3V (≥1MΩ load)			
Output Frequency	1 kHz			

POWER SOURCE	100/240VACrms, 45Hz~440Hz, 50VaMax; CAT II
ACCESSORIES	One operation manual, Power cord, USB cable, probe2, Software CD-ROM
DIMENSIONS & WEIGHT	306(W) x 147(H) x 122(D)mm, 2.2kg