

CQ620A/620AT

DUAL CHANNEL OSCILLOSCOPE

Features

- .20MHz/40MHz dual channel
- .High sensitivity: 1mV/div
- .Expanded vertical sensitivity to 10V ~ 20V/div**
- .Component testing function(CQ620AT)**
- .ALT triggering function
- .Z-Axis input,CH1 output(option)
- .Encoder for sweep
- .10 times sweep magnification
- .TV synchronization, X-Y mode
- .Triggering level lock function, automatic synchronize function



Technical Data		CQ620A/CQ620AT	
CRT			
Type	6-inch rectangular with internal graticule 8x10div (1div=1cm)		
Z-axis input	Zin: $\approx 47k\Omega$; Vin: $\geq 5V_{p-p}$; Bw: DC~2MHz		
Accelerating voltage	Apprx.2KV		
Illumination	Front panel control		
VERTICAL SYSTEM			
Sensitivity	X1	$\pm 3\%$; 5mV~20V/div on 1-2-5 Sequence 12 rangers	
	X5	$\pm 5\%$; 1mV~4V/div on 1-2-5 Sequence 12 rangers	
bandwidth	X1	DC (AC 10Hz) ~ 20MHz(-3dB)	
	X5	DC (AC 10Hz) ~ 7MHz (-3dB)	
Rise Time	X1/X5	$\leq 17.5ns/\leq 50ns$	
Input Impedance	$\approx 1M\Omega \pm 3\%$ / 25PF $\pm 5PF$		
Max Input Voltage	400V (DC + ACp-p) at 1kHz		
Input Coupling	AC, DC, GND		
Vertical operation Mode	CH1, CH2, ALT, CHOP, ADD, CH2 INV		
HORIZONTAL SYSTEM			
Sweep time	0.2us~0.5s / div $\pm 3\%$; MAGx10:ns ~ 50ms /div $\pm 5\%$		
Sweep time accuracy	$\pm 3\%$, $\pm 5\%$ at x10MAG (20nS~50nS/DIV uncalibrated)		
Sweep magnificaton	10 times		
Max sweep time	20nS/DIV		
Linear	$\pm 5\%$, $\pm 10\%$ at x10MAG		
TRIGGER			
Trigger Mode	AUTO(TV-V),NORM,TV-H,LEVER LOCK		
Trigger Source	CH1, CH2, ALT, LINE, EXT, VERT		
Trigger Coupling	AC		
Trigger Slope	"+" or "-"		
Trigger sensitivity		5Hz~10MHz	10MHz~20MHz
	CH1,CH2	1 DIV	1.5DIV
	ALT	2.0DIV	3.01DIV
	EXT	200mV	300mV
	TV sync pulse >2DIV or 0.5V(EXT)		
External trigger input	Input impedance: $1M\Omega \pm 3\%$, 25pF $\pm 5pF$		
	Max. input voltage: 400V (DC+ACpeak) at 1KHz		
X-Y OPERATION			
Sensitivity	5mV~5V/div $\pm 4\%$ 90		
X-axis Bandwidth	DC~500KHz		
Phase Error	$\leq 3^\circ$ DC~50kHz		
OUTPUT SIGNAL			
CH1 signal output	$\sqrt{\quad}$		
Calibrator Output	1kHz Square wave, 2Vp-p $\pm 2\%$		

POWER SOURCE	AC 110/220V±10%, 50Hz/ 60Hz, ≈40W
DIMENSIONS	310(W) x 145(H) x 440(D)mm
WEIGHT	Approx. 8kg
ACCESSORIES	One operation manual, one fuse, one power cable, two probes