

CQ620 SERIES DUAL CHANNEL OSCILLOSCOPE

MCP[®]
test instruments

CQ620C/620CF/640C/640CF



CLASSIC

Features

- .Build-in 6 digital frequency counter
- .Economic choice for high quality
- .20MHz/40MHz/50MHz dual channel
- .ALT triggering function
- .Encoder for sweep switch
- .Fully sealed long life vertical sensitivity switch
- .10 times sweep magnification
- .TV synchronization, X-Y mode



CQ620C/640C

Technical Data		CQ620C/620CF	CQ640C/640CF
CRT	Type	6-inch rectangular with internal graticule 8×10div (1div=1cm)	
	Z-Axis input	Zin: ≈47kΩ ; Vin: ≥5Vp-p; Bw: DC~2MHz	
	Accelerating voltage	2kV(20MHz) 12kV(40MHz)	
	Illumination	Front panel control	
Vertical	Sensitivity	±3%; 5mV~5V/div	
	Bandwidth	DC (AC 10Hz) ~20MHz(-3dB)	DC (AC 10Hz) ~40/50MHz(-3dB)
	Rise time	≤17.5ns	≤8.75ns /7ns
	Input impedance	≈1MΩ / 25PF	
	Max input voltage	400V (DC +ACp-p)	
	Input coupling	AC, DC,GND	
Horizontal	Vertical operation mode	CH1, CH2, DUAL (ALT/CHOP)ADD, CH2 INV	
	Sweep time	0.2 μ s~0.5s / div±3%; MAGx10:20ns ~ 50ms /div ±5%	
	Sweep time accuracy	±3%, ±5% at ×10MAG (20ns~50ns/DIV uncalibrated)	
	Sweep magnification	10 times	
	Max sweep time	20ns/DIV	
	Linear	±5%, ±10% at ×10MAG	
Trigger	Trigger mode	AUTO,NORM,TV-V,TV-H	
	Trg-level lock	√	
	Trigger source	CH1, CH2, ALT, LINE, EXT	
	Trigger coupling	AC	
	Trigger slope	"+" or "-"	
	Trigger sensitivity	20Hz~2MHz	2MHz~20MHz
		CH1,CH2 0.5DIV	1.5DIV
	ALT 2.0DIV	3.0DIV	
	EXT 200mV	800mV	
	TV sync pulse >1DIV or 1V (EXT)		
X-Y	External trigger input	Input impedance: 1MΩ ±3%, 25pF±5pF Max. input voltage: 400V (DC+ACpeak) at 1kHz	
	Sensitivity	5mV~5V/div, ±4%	
	X-axis bandwidth	DC ~500kHz	
Output signal	Phase error	≤3° DC ~ 50kHz	
	CH1 signal output	√	
Build-in frequency counter	Calibrator output	1kHz square wave, 2Vp-p±2%	
		10Hz~20/40MHz; 6digits	
Power source	AC 110/220V±10%, 50Hz/ 60Hz, ≈35W		
Dimensions	310(W) × 150(H) × 455(D)mm		
Weight	Approx. 8kg		
Accessories	One operation manual, one fuse, onepower cable, two probes		

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