

CQ60 SERIES DUAL CHANNEL OSCILLOSCOPE

CQ620A



Features

- Expanded vertical sensitivity to 20V/div
- 20MHz dual channel
- High sensitivity: 1mV/div
- ALT triggering function
- Z-Axis input, CH1 output (optional)
- Encoder for sweep
- 10 times sweep magnification
- Triggering level lock function, automatic synchronize function



Technical Data		CQ620A
CRT	Type	6-inch rectangular with internal graticule 8×10div (1div=1cm)
	Z-Axis input	Zin: $\approx 47k\Omega$; Vin: $\geq 5Vp-p$; Bw: DC~2MHz
	Accelerating voltage	Apporx. 2kV
	Illumination	Front panel control
Vertical	Sensitivity	$\times 1$ $\pm 3\%$; 5mV~20V/div on 1-2-5 sequence 12 rangers
		$\times 5$ $\pm 5\%$; 1mV~4V/div on 1-2-5 sequence 12 rangers
	Bandwidth	$\times 1$ DC (AC 10Hz) ~20MHz(-3dB)
		$\times 5$ DC (AC 10Hz) ~7MHz (-3dB)
Horizontal	Rise time	$\times 1/\times 5$ $\leq 17.5ns/ \leq 50ns$
	Input impedance	$\approx 1M\Omega \pm 3\%$ 25PF $\pm 5PF$
	Max. input voltage	400V (DC +ACp-p) at 1kHz
	Input coupling	AC, DC, GND
Trigger	Vertical operation mode	CH1, CH2, ALT, CHOP, ADD, CH2 INV
	Sweep time	0.2 μs ~0.5s / div $\pm 3\%$; MAG $\times 10$: 20ns ~ 50ms /div $\pm 5\%$
	Sweep time accuracy	$\pm 3\%$, $\pm 5\%$ at $\times 10MAG$ (20ns~50ns/DIV uncalibrated)
	Sweep magnification	10 times
Trigger	Max sweep time	20ns/div
	Linear	$\pm 5\%$, $\pm 10\%$ at $\times 10MAG$
	Trigger mode	AUTO(TV-V), NORM, TV-H, LEVER LOCK
	Trigger source	CH1, CH2, ALT, LINE, EXT, VERT
Trigger	Trigger coupling	AC
	Trigger slope	"+" or "-"
Trigger	Trigger sensitivity	5Hz~10MHz
		10MHz~20MHz
		CH1, CH2 1DIV
		1.5DIV
X -Y	Output signal	ALT 2.0DIV
		3.0DIV
		EXT 200mV
		300mV
X -Y	Output signal	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	Output signal	Sensitivity
		5mV~5V/div, $\pm 4\%$
		X-axis bandwidth
		DC ~500kHz
X -Y	Output signal	Phase error
		$\leq 3^\circ$ DC ~ 50kHz
		CH1 signal output
		$\checkmark$
X -Y	Output signal	Calibrator output
		1kHz square wave, 2Vp-p $\pm 2\%$
		Power source
		AC 110/220V $\pm 10\%$, 50Hz/ 60Hz, $\approx 40W$
X -Y	Output signal	Dimensions
		310(W) $\times$ 145(H) $\times$ 440(D)mm
		Weight
		Approx. 8kg
X -Y	Output signal	Accessories
		One operation manual, one fuse, one power cable, two probes

POWER SUPPLY

TEST INSTRUMENT

EDU. INSTRUMENT

METER

MACHINE

ACCESSORY