

CQ5020 / 5030/5040

Features

- .High sensitivity 1mV/DIV
- .Wide vertical range 20V/DIV
- .20MHz/30MHz/40MHz dual channel
- .TV synchronization
- .Z axis input
- .Vertical mode triggering
- .CH 1 output



Technical Data		CQ5020 / CQ5030/CQ5040				
CRT	Type	6" rectangle, internal graticule, 0%, 10%, 90% and 100% marks				
	Display area	8 × 10DIV (DIV=10mm)				
	Accelerating voltage	1.9kV(CQ5020) 2kV (CQ5030)12kV(CQ5040)				
	Intensity and focusing	Continuously adjustable at front panel				
	Trace rotation	Adjusted at the front panel				
Vertical System	Sensitivity and accuracy	5mV / DIV~20V / DIV ±3% 1mV / DIV ~ 2mV / DIV, ±5% 12 calibration steps in 1-2-5 sequence, x 5 MAG only CH1				
	Trimming ratio	≥2.5:1				
	Width of band (-3dB)	DC(AC 10Hz) ~20MHz (CQ5020)/30MHz (CQ5030)/40MHz (CQ5040)				
	Rise time	≤ 17.5ns (CQ5020) ≤12ns (CQ5030) ≤8.75ns(CQ5040)				
	Input impedance	Approx. 1MΩ ±3% 30pF ±5pF				
	Input coupling	DC, GND, AC				
	Max. input voltage	400V (DC + ACpeak) at 1kHz or less				
	Vertical mode	CH1, CH2, DUAL (CHOP, ALT), ADD, CH2 inverse				
	CH1 signal output	25mV / DIV 50Ω 20Hz~10MHz(-3dB)				
	Horizontal system	Sweep time	0.2 μ s~0.2s / DIV 19 steps in 1-2-5 sequence			
Sweep accuracy		±3%, ±5% at ×10MAG				
Trimming ratio		≥2.5:1				
Sweep magnification		×10MAG				
Max sweep time		20ns/DIV				
Mode		AUTO, NORM, TV				
Source		VERT-MODE, CH1, EXT, LINE				
Trigger system	Coupling	AC				
	Polarity	"+" or "-"				
	Trigger sensitivity		10Hz~10MHz	10MHz~20MHz	20MHz~30MHz	30MHz~40MHz
		INT	0.5DIV	1.5DIV	1.5DIV	1.5DIV
		EXT	0.2	0.8	0.2	0.8
	External trigger input	Input impedance: 1MΩ ±3% 25pF ±5pF Max. input voltage: 400V				
X-Y operation	Input	X-axis: CH1, Y-axis: CH2				
	Sensitivity & accuracy	5mV~20V/DIV, ±3% 1mV/DIV~2mV/DIV, ±5%				
	Width of band (-3dB)	Axis X: CQ5020: DC ~ 500kHz CQ5030: DC ~ 1MHz CQ5040: DC ~ 1MHz				
	Phase difference	≤3° or less from DC to 50kHz				
Axis Z	Sensitivity	5V				
	Polarity	Negative going input increase intensity				
	Input impedance	20kΩ ~30kΩ				
	Usable frequency range	DC-2MHz				
	Max input voltage	30V (DC + AC peak)				
Calibration	Signal	1kHz 0.5Vp-p square wave				
Power source		110~127 VAC ±10%, 220~240VAC ±10%, 50Hz ±2Hz / 60Hz ±2Hz				
Dimensions (W × H × D)		316mm × 132mm × 410mm				
Weight		7.8kg				
Other	Accessories	One operation manual, one fuse, one power cable, two probes				