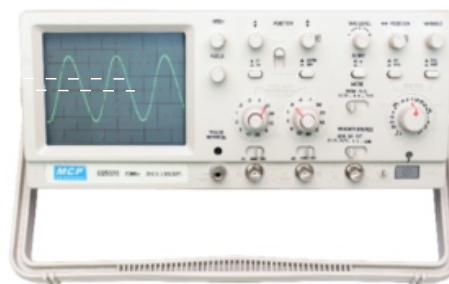


CQ5020



Features

- .High sensitivity 1mV/div
- .Wide vertical range 20V/div
- .20MHz/30MHz dual channel
- .TV synchronization
- .Z axis input
- .Vertical mode triggering
- .Ch1 output

Technical Data		CQ5020			
CRT	Type	6" rectangle, internal graticule, 0%, 10%, 90% and 100% marks			
	Display area	8 × 10div (1div=10mm)			
	Accelerating voltage	1.9kV(CQ5020)			
	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, ×5 MAG only CH1			
	Trimming ratio	≥2.5:1			
	Width of band (-3dB)	DC(AC 10Hz) ~20MHz (CQ5020)			
	Rise time	≤ 17.5ns (CQ5020)			
	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 μs/div~0.2s/div 19steps 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			
Trigger system	Source	VERT-MODE, CH1, EXT, LINE			
	Coupling	AC			
	Polarity	"+" or "-"			
	Trigger sensitivity		10Hz~10MHz	10MHz~20MHz	20MHz~30MHz
		INT	0.5div	1.5div	1.5div
	EXT	0.2	0.8	0.2	
		TV sync pulse 1 div or 1V(EXT)			
	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/div~20V/div ±3%, 1mV/div~2mV/div ±5%			
	Width of band (-3dB)	Axis X: CQ5020: DC ~ 500kHz			
	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			