

# DUAL CHANNEL OSCILLOSCOPE

CQ5620/5640/5660/5620F/5640F/5660F



DIGITAL SELECTION

NEW

## Features

- Surface mounting technology
- Digital sweep and vert. selection
- Build-in 6 digits frequency counter (CQ5620F/CQ5640F/CQ5660F)
- TV synchronization
- CH1 output
- Triggering level lock
- ALT triggering function
- Z axis input
- Adjusting by digital display



CQ5620



CQ5620F

Technical Data		CQ5620/CQ5640/CQ5660/CQ5620F/CQ5640F/CQ5660F			
CRT	Type	6" rectangle, internal graticule, 0%, 10%, 90% and 100% marks			
	Display area	8 x 10DIV (DIV=10mm)			
Vertical system	Accelerating voltage	2kV(CQ5620/CQ5620 F) 12kV(CQ5640/CQ5640F/CQ 5660/CQ5660F)			
	Intensity and focusing	Continuously adjustable at front panel			
	Trace rotation	Adjusted at the front panel			
	Sensitivity and accuracy	1mV / DIV~5V / DIV ±3% 12 calibration steps in 1-2-5 sequence			
	Trimming ratio	≥2.5:1			
	Width of band (-3dB)	DC(AC 10Hz) ~20MHz (CQ5620/CQ5620F) DC(AC 10Hz) ~40MHz (CQ5640/CQ5640F) DC(AC 10Hz) ~60MHz (CQ5660/CQ5660F)			
	Rise time	≤17.5ns (CQ5620/CQ5620F) ≤9.5ns(CQ5640/CQ56 40F) ≤5.83ns(CQ5660/CQ5 660F)			
	Input impedance	1M Ω ±3% 25pF ±5pF			
	Input coupling	DC, GND, AC			
	Max. input voltage	400V (DC + ACpeak)			
Horizontal system	Vertical mode	CH1, CH2, DUAL (CHOP, ALT) ADD, CH2 inverse			
	Sweep time	0.2us~0.5s / DIV (CQ5620/CQ5620F) 0.1us~0.1s / DIV (CQ5640/CQ5640F/CQ5660/CQ 5660F)			
	Sweep accuracy	±3%, ±5% at x10MAG (20nS~50nS/DIV uncalibrated)			
	Trimming ratio	≥2.5:1			
	Sweep magnification	x10MAG			
Trigger system	Max sweep time	10nS/DIV(CQ5640/C Q5640F/CQ5660/CQ5 660F)			
	Mode	AUTO, NORM, TV-V, TH-H			
	Source	ALT, CH1, CH2, EXT, LINE			
	Polarity	"+" or "-"			
	Trigger sensitivity	20Hz~2MHz 2MHz~20MHz 20MHz~60MHz CH1,CH2 0.5DIV 1.5DIV 2DIV ALT 2 DIV 3 DIV 3DIV EXT 0.2 DIV 0.8 DIV 0.8 DIV TV sync pulse >1DIV or 1V (EXT)			
	External trigger input	Input impedance: 1M Ω ±3% 25pF ±5pF Max. input voltage: 300V (DC+ACpeak) at 1KHz			
Frequency counter	Display	6 digits LED			
	Accuracy	1Hz(0~1MHz), 10Hz (1MHz~10MHz), 100Hz (10MHz~60MHz)			
	Sensitivity	Same as trigger system			
X-Y operation	Sensitivity and accuracy	5mV~5V/DIV, ±5% 10 calibration steps 1-2-5 sequence			
	Width of band (-3dB)	DC (AC 10Hz) ~500kHz			
	Phase difference	≤3° or less from DC to 50kHz			
Axis Z	Sensitivity	5Vp-p			
	Polarity	Negative going input increase intensity			
	Input impedance	47K Ω			
	Usable frequency range	DC~2MHz			
	Max. input voltage	30V (DC+AC peak) at 1kHz			
Calibration	Voltage: 2Vp-p ±2%, Frequency: 1KHz ±2%, Square wave				
Power source	110~127 VAC ±10%, 220~240VAC ±10%, 50Hz ±2Hz / 60Hz ±2Hz				
Dimension(WxHxD)	316mm x 132mm x 410mm				
Weight	7.8kg				
Accessories	One operation manual, one fuse, one power cable, two probes				

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Patrucco snc - V. Clemente, 12 10143 Torino tel: 011/4375549 fax: 011/4375986 email: info@patrucco.it

www.patrucco.it