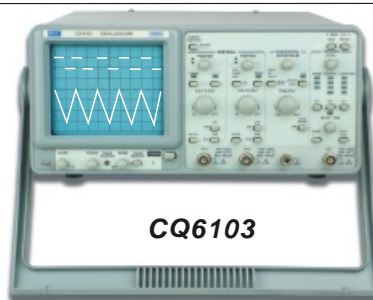


100MHz DUAL CHANNEL OSCILLOSCOPE

MCP[®]
lab electronics

CQ6103



Features

- .100MHz bandwidth, dual channel, delayed sweep
- .10 sets memory for front panel setting save&recall
- .Cursor readout with 7 measurements
- .Panel setup lock of digital-control functions
- .Buzzer alarm
- .Trigger signal output
- .Z-Axis modulation input
- .SMD technology, high stability and reliability

CQ6103

Specifications		CQ6103			
CRT	Type	6" rectangle, internal graticule, 0%, 10%, 90% and 100% marks			
	Display area	8 × 10 DIV (DIV=10mm)			
	Accelerating potential	16kV approx			
	Illumination	Continuously adjustable at front panel			
Vertical system	Z-axis input	Coupling: DC			
	Sensitivity	Sensitivity: 5V or more			
	Sensitivity Accuracy	Maximum input voltage: 30V(DC+AC peak) at 1kHz or less			
	Vernier Vertical Sensitivity	Bandwidth: DC~5 MHz			
Horizontal system	Bandwidth(-3dB)	2mV~5V/div, 11step in 1-2-5 sequence			
	Rise Time	≤3% (5div at the center of display)			
	Signal Delay	Continuously variable to 1/2.5 or less of panel-indicate value			
	Max. Input Voltage	DC~100MHz(2mV/div:DC~20MHz)			
	Input Coupling	3.5ns(2mV/div:17.5ns)			
	Input Impedance	Leading edge can be monitored			
	Vertical Mode	400V(DC+AC peak) at 1kHz or less			
	Bandwidth Limited	AC, DC, GND			
	Common-Mode Rejection Ratio	1MΩ±2% // approx. 25pF			
	Dynamic Range	CH1, CH2, DUAL(CHOP/ALT), ADD, CH2 INV			
	Horizontal Modes	20MHz			
	A(main) Sweep Time	50:1 or better at 50kHz			
B(delay) Sweep Time	8 div at 100MHz				
Accuracy	MAIN(A), ALT DELAY(B)				
Sweep Magnification	50ns~0.5s/div, continuously variable(UNCAL)				
Hold Off Time	50ns~50ms/div				
Delay Time	+/-3%(+/-5% at × 10 MAG)				
Delay Jitter	× 10(maximum sweep time 5ns/div)				
Alternate Separation	Variable				
Trigger Modes	1 μs~5s				
Trigger Source	Better than 1:20000				
Trigger Coupling	Variable				
Trigger Slope	AUTO, NORM, TV				
Trigger	Mode	Frequency	INT	EXT	
	Trigger Sensitivity	AUTO	10Hz~20MHz	0.35div	50mV
		NORM	20MHz~100MHz	1.5div	150mV
			DC~20MHz	0.35div	50mV
TV	20MHz~100MHz	1.5div	150mV		
TV sync	sync signal				
Max. External Input Voltage	1div				
External Input Impedance	200mVpp				
X-Y Operation	Mode	X-axis: selectable CH1, CH2, EXT			
	Sensitivity Accuracy	Y-axis: selectable CH1, CH2, CH1 and CH2			
	X-axis Bandwidth	2mV~5V/div±3%; EXT: 0.1V/div±5%			
	Phase Error	DC~500kHz(-3dB)			
OUTPUT SIGNAL	Trigger Signal Output	Voltage	approx. 25mV/div into 50 Ω		
	Calibrator Output	Frequency response	DC ~10MHz		
		1kHz Square wave, 2Vpp±2%			
Cursor Readout Function	Cursor Measurement Function	ΔV, ΔV%, ΔVdB, ΔT, 1/ΔT, ΔT%, Δè			
	Cursor Resolution	1/100 DIV			
	Effective Cursor Range	Vertical: ±3div ; Horizontal: ±4 div			
		Vertical: V/div(CH1, CH2), UNCAL, ALT/CHOP/ADD, INV, probe factor, AC/DC/GND			
Special Function	Panel Setting Display	Horizontal: s/div(MTB, DTB), UNCAL, × 10MAG, delay time, HO			
	TIME/DIV Auto Range	Trigger: source, coupling, slope, level, TV-V, TV-H			
	Panel Setting Save & Recall	Others: X-Y, lock, save/recall MEM0-9			
Power source	Panel Setups Lock	Provided			
	Panel Setting Save & Recall	10 sets			
	Panel Setups Lock	Provided			
Dimensions	AC 100V/120V/230V±10% , 50/60Hz				
Weight	310(W) × 150(H) × 455(D) mm				
Accessories	9kg				
	One operation manual, one fuse, one power cable, two probes				

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