



DC - 30MHz DUAL TRACE OSCILLOSCOPE

SPECIFICATION

Y Deflection Factor :

Operating Mode	: Y1 , Y2 , ALT , CHOP , ADD , X - Y
Deflection Factor (Y1 or Y2)	: 5mV/div ~ 10V/div in 1-2-5 sequence , Altogether 11 steps . Error \pm 5%
MAG Rate	: X 5 Error \pm 5%
Frequency Bandwidth	: AC : 10 Hz ~ 30 MHz - 3dB DC : 0 ~ 30 MHz - 3dB
Freq. Bandwidth by MAG	: AC : 10 Hz ~ 5 MHz - 3dB DC : 0 ~ 5 MHz - 3dB
Rising Time	: About 12ns , about 70ns by MAG
Overshot	: ?8%
Damp	: ?8%
Coupling Mode	: AC , ? , DC
Input Implement	: $1 \pm 5\%$ M? // ?30pF (direct) $10 \pm 5\%$ M? // ?23pF (by probe)
Max Safe Voltage	: 400V (DC + AC p-p)
Slope Inverting	: Y2 only

Triggering System :

Triggering Source	: Y1 , Y2 , ALT , Power , EXT
Coupling	: AC / DC (EXT) , NORM / TV
Polarity	: + , -
Synchronized Freq.Range	: Auto : 50Hz ~ 30 Mhz
Min. Synchronized Trigger Level	: Trig : 5Hz ~ 30 MHz INT : 1.5DIV ; EXT : 0.2V p-p TV : INT : 2div EXT : 0.3V p-p Trig Lock (20Hz ~ 30 MHz) INT : 2 div
Input Implement (by EXT trigger)	: $1 \pm 5\%$ M? // ?30pF
Max Safe Voltage	: 400V (DC + AC p-p)

Horizontal System:

Sweep Mode	: AUTO , TRIG , LOCK , SINGLE
Sweep time Factor	: 0.1 ? s / div ~ 0.2s / div in 1 - 2 - 5 sequence Altogether 20 steps Error \pm 5%
MAG	: X 5 Error \pm 10%



X - Y Mode :

Signal Input	: X - Axis : Y1 , Y - Axis : Y2
Deflection Factor	: Same as Y1
Frequency Response	: AC : 10 Hz ~ 1 MHz - 3dB DC : 0 Hz ~ 1 MHz - 3dB
Input Implement	: Same as Y1
Max Safe Voltage	: Same as Y1
X - Y Phase Difference	: ????DC ~ 50 KHz)

Z - Axis System :

Min Input Level	: TTL Level
Max Input Level	: 50V (DC + AC p-p)
Input Resistance	: 10 K?
Input Polarity	: Low Level to brighten
Frequency Range	: DC ~ 5 MHz

Signals for Probe Calibration:

Waveform	: Square wave
Amplitude	: $0.5 \pm 2\%$ V p-p
Frequency	: $1 \pm 2\%$ KHz

CRT :

Persistence	: Middle Persistence
Working Area	: 8cm X 10cm (1cm = 1div)

Power Supply :

Power	: $220 \pm 10\%$ V
Frequency	: $50 \pm 5\%$ Hz
Power Consumption	: About 35 VA

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