



## 20 MHz Dual Trace Oscilloscope Caddo 920

### Features:

- Max. Vertical Sensitivity 1mV/div.
- TV-V, TV-H Syne Separator
- Alternate Trigger
- Z axis-TTL Level
- Max. TB Speed : 20ns

### Technical Specifications:

#### Vertical Axis

Bandwidth	DC~25MHz
Deflection co-efficients	5mV/div-20V/div, 12 steps in 1-2-5 sequence
Variable	Continuously variable to ½.5 or less than panel-indicated value
Accuracy	≤3%
Rise Time	Approx. 14ns
Input impedance	1M ohm // 25pF (approx.)
Vertical modes	CH1, CH2 : DUAL ALT or CHOP (250 KHz), ADD
Input coupling	AC, GND, DC
Maximum input voltage	350V peak
TRIGGERING	
Triggering source	CH1, CH2, LINE, EXT, ALT
Coupling	AC : 20Hz to full bandwidth
Slope	Positive or Negative
Triggering modes	AUTO, NORM, TV-V, TV-H
EXT Triggering Input impedance	1M ohm // 25pF (approx.)
Max. input voltage	350V (DC + AC peak)

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### Horizontal Axis

Sweep Time	0.2 $\mu$ s/div-0.5 Sec/div. 20 steps in 1-2-5 sequence
Sweep time accuracy	$\pm 3\%$
Sweep variable	$\leq 1/2.5$ of panel indicated value
Sweep magnification	10 times
X-Y Mode	
Bandwidth	DC to 500 KHz (minimum)
X-Y phase difference	$\leq 3^\circ$ at DC~50 KHz
Z AXIS	
Modulation	TTL Level
Frequency bandwidth	DC~ 2 MHz
CALIBRATOR OUTPUT	
Waveform	Square wave
Frequency	1 KHz (approx.)
Output voltage	2 Vpp $\pm 2\%$
CRT	
Type	6-inch rectangular type, internal graticule
Accelerating voltage	Approx. 2KV
Effective screen size	8x10 div (2 div = 10mm)
Power Requirements	
220V $\pm 10\%$ , 50 Hz Power consumption	Approx. 40VA, 35W (max.)
Dimensions	310W x 150H x 455D (mm)
Accessories	Power Cord 1 no., User Manual 1 no.

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## 20 MHz Dual Trace Oscilloscope Caddo 920R

### Features:

- Max. Vertical Sensitivity 1mV/div.
- CRT Readout
- TV-V, TV-H Sync Separator
- Alternate Trigger
- Z axis-TTL Level
- Max. TB Speed : 20ns

### Technical Specifications:

#### VERTICAL AXIS

Bandwidth	DC~25MHz
Deflection co-efficients	5mV/div-20V/div, 12 steps in 1-2-5 sequence
Variable	Continuously variable to 1/2.5 or less than panel-indicated value
Accuracy	≤3%
Rise Time	Approx. 14ns
Input impedance	1M ohm // 25pF (approx.)
Vertical modes	CH1, CH2 : DUAL ALT or CHOP (250 KHz), ADD
Input coupling	AC, GND, DC
Maximum input voltage	350V peak
TRIGGERING	
Triggering source	CH1, CH2, LINE, EXT, ALT
Coupling	AC : 20Hz to full bandwidth
Slope	Positive or Negative
Triggering modes	AUTO, NORM, TV-V, TV-H
EXT Triggering Input impedance	1M ohm // 25pF (approx.)
Max. input voltage	350V (DC + AC peak)

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## HORIZONTAL AXIS

Sweep Time	0.2 $\mu$ s/div-0.5 Sec/div. 20 steps in 1-2-5 sequence
Sweep time accuracy	$\pm 3\%$
Sweep variable	$\leq 1/2.5$ of panel indicated value
Sweep magnification	10 times
X-Y Mode	
Bandwidth	DC to 500 KHz (minimum)
X-Y phase difference	$\leq 3^\circ$ at DC~50 KHz

## Z AXIS

Modulation	TTL Level
Frequency bandwidth	DC~ 2 MHz

## CALIBRATOR OUTPUT

Waveform	Square wave
Frequency	1 KHz (approx.)
Output voltage	2 Vpp $\pm 2\%$

## CRT Readout Function

Cursor Measurement	$\Delta V$ , $1/\Delta T$ , $\Delta T$
Function	P (t,V)
Cursor resolution	1/25 div.

## CRT

Type	6-inch rectangular type, internal graticule.
Acceleration voltage	Approx. 2KV
Effective screen size	8x10 div (1 div = 10mm)
Power Requirements	
220V $\pm 10\%$ , 50Hz Power consumption	Approx. 40VA, 38W (max.)
Dimensions	310W x 150H x 455D (mm)
Accessories	Power cord : 1 no., User manual : 1 no.

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