

SPECIFICATIONS

ALT: dual trace, alternating

DC to 20 MHz: 4 divisions.

DC to 10 MHz; 8 divisions.

Accuracy: ±3%.
Sweep Magnification: 10x, ±6%.

SWEEP SYSTEM

TRIGGERING

VERTICAL AMPLIFIERS (Ch 1 and CH 2)

Attenuator: 10 steps in 1-2-5 sequence. Vernier control provides full adjustment between steps.

Couracy: $\pm 3\%$, $\pm 5\%$ at X5. Input Resistance: 1 M Ω $\pm 2\%$. Input Capacitance: 35 pF ± 5 pF. Frequency Responses: 5 mV to 5 V/div; DC to 20 MHz (-3dB). X5: DC to 10 MHz (-3dB).

ALT: Qualifacus, americanas.
CHOP: dual trace, chopped.
ADD: agebraic sum of CH 1 + CH 2.
Polarity Reversal: CH 1 only.
Maximum Input Voltage: 400 V (DC to AC peak).
Maximum Undistorted Amplitude:

Sweep Speed: 0.5 μs/div to 0.5s/div in 1-2-5 sequence, 19 steps. Vernier control provides fully adjustable sweep time between steps.

Triggering Modes: AUTO (free run) or NORM.
Trigger Source: CH 1, CH 2, ALT, EXT, LINE.

Rise Time: 17.5 ns, X5: 35 ns.

Operating Modes: CH 1: CH 1, single trace.
CH 2: CH 2, single trace.

Sensitivity: 5 mV/div to 5 V/div, 1 mV/div to 1 V/div

20 MHz Dual-Trace

- Dual or single trace operation ■ 1 mV/div sensitivity
- AUTO/NORM triggered sweep operation with AC, TVH, TVV and line coupling
- Calibrated 19 step time base with x 10 magnifier ■ Compact low-profile design

Ext

Model 2120

Maximum External Trigger Voltage: 200 V (DC + AC peak).

TRIGGER SENSITIVITY:

Trigger Coupling: AC 30 Hz to 30 MHz. TV H Used for triggering from horizontal sync

TV V Used for triggering from vertical sync pulses.

Randwidth Int 30 Hz-30 MHz .5 div 500 mV TVV .5 div 500 mV 10 Hz-1.5 kHz

3 kHz-30 MHz HORIZONTAL AMPLIFIER (Input through

channel 2 input) X-Y Mode: Switch selectable using X-Y switch. CH 1: Y axis, CH 2: X axis. Sensitivity: Same as vertical channel 2. Sensitivity: Same as vertical channel 2.
Accuracy: YAdis: _3%. X-Adis: _6%.
Input Impedance: Same as vertical channel 2.
Frequency Response: DC to 2 MHz typical (-3 x M db), to 6div horizontal deflection. X-Y Phase Difference: Approximately 3° at 50

Maximum Input Voltage: Same as vertical channel 2.

Type: Rectangular with internal graticule. Display Area: 8 x 10 div (1 div = 1 cm).
Accelerating Voltage: 2 kV.
Phosphor: P31. Trace Rotation: Electrical, front panel adjustable.

OTHER SPECIFICATIONS

Calibrating Voltage: 1 kHz (±10%) Positive Square Wave, 0.2 V p-p (±2%). Square wave, 0.2 v Pp (±2*s). CH 1 Output: (on rear panel): Output Woltage: 50 mV/div (into 50-ohm load). Output Impedance: Approximately 50 ohms. Frequency Response: 20 Hz to 10 MHz, -3dB, into 50Ω. 20 Hz to 20 MHz, -6dB, into 1 MΩ.

ENVIRONMENT

Within Specified Accuracy: +10° to +35°C, <85% BH Full Operation: 0° to 40°C, ≤85% R.H. Storage: -20° to +70°C. Power Requirements: 100/120/220/240 VAC ±10%, 50/60 Hz, approximately 35 W. Dimensions: (WxHxD) 12.6 x 5.1 x 14.2" (320 x

130 x 361 mm) Weight: Approximately 15 lbs (6.75 kg)

2120/2125 ACCESSORIES SUPPLIED: Two 10:1 Probes, AC Power Cord, Spare Fuse.

2120/2125 OPTIONAL ACCESSORIES: Demodulator Probe—PR-32; Deluxe 10:1/direct Probe—PR-37A; 10:1/direct Prove-PR-33A; Deluxe 100:1 Probe-PR-100A Deluxe Carrying Case-LC-210

See pages 63-66 for specifications.

ECC.

Model 2125

SPECIFICATIONS

Same as Model 2120 above, except as follows SWEEP SYSTEM

Operating Modes: Main, mix (both main swe and delay sweep displayed), or Delay (only delay sweep displayed), X-Y. Main Sweep Speed: 0.1 µs/div to 2.0 s/div in 1-2-5 sequence, 23 steps. Vernier control provides fully adjustable sweep time between steps.

Accuracy: ±3% agnification: 10X, +5%.

20 MHz Dual-Trace. with Delayed Sweep

- All features of Model 2120 plus:
- Delayed sweep in 19 ranges
- Built-in component tester for capacitors, inductors, diodes, transistors, zener diodes
- 23 step time base to 0.1 us/div
- Deluxe handle/tilt stand

Delayed Sweep Speed: 0.1 μs/div to 0.1s/div in 1-2-5 sequence, 19 steps. Holdoff: Continuously variable for Main sweep up

to 10 times normal. Delay Time Position: Continuously variable to control percentage of display that is devoted to main and delay sweep.

COMPONENT TESTER

Components Tested: Resistors, Capacitors, Inductors, and Semiconductors. Test Voltage: 12 V rms maximum (open).

Test Current: 30 mA maximim (shorted). Test Frequency: Line Frequency (60 Hz in USA).

OTHER SPECIFICATIONS

Power Requirements: Approximately 40 W. All other operating specifications are the same as model 2120

