30 MHz Analog Oscilloscopes

2125A

- Delayed sweep in 23 steps
- Built-in component tester for capacitors, inductors, diodes, transistors, zener diodes
- 23 step time base to 0.1ms/div
- Deluxe handle/tilt stand

Specifications

model 2125A

VERTICAL AMPLIFIERS (CH 1 and CH 2)

Sensitivity	5 mV/div to 5 V/div, 1 mV/div to 1 V/div at x5
Attenuator	10 steps in 1-2-5 sequence. Vernier control provides full adjustment between steps
Accuracy	±3%, ±5% at x5
Input Resistance	1 MΩ ±2%
Input Capacitance	25 pF ±10pF
Frequency Response	5 mV to 5 V/div: DC to 30 MHz (-3dB) X5: DC to 10 MHz (-3dB)
Rise Time	12ns (Overshoot ≤5%)
Operating Modes	CH 1: CH 1, single trace
CH 2	CH 2, single trace
ALT	dual trace, alternating
CHOP	dual trace, chopped
ADD	agebraic sum of CH 1 + CH 2
Polarity Reversal	CH 2 only
Max. Input Voltage	400 V (DC to AC peak)

SWEEP SYSTEM

Operating Modes	Main, mix (both main sweep 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%
Sweep Magnification	10X, ±5%
Delayed Sweep Speed	0.1 ms/div to 0.1s/div in 1-2-5 sequence, 23 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

TRIGGERING

Triggering Modes	AUTO (free run) or NORM, TV-V, TV-H
Trigger Source	CH 1, CH 2, ALT, EXT, LINE
Maximum External Trigger Voltage	300 V (DC + AC peak)
Trigger Coupling	AC 30 Hz to 30 MHz
	TV H Used for triggering from horizontal sync pulses
	TV V Used for triggering from vertical sync pulses

TRIGGER SENSITIVITY

Coupling	Bandwidth	Int	Ext
Auto	100Hz - 40MHz	1.5 div	≥ 0.1Vp-p
Norm	100Hz - 40MHz	1.5 div.	≥ 0.1Vp-p
TV-V	DC -1kHz	0.5 div	≥ 0.05Vp-p
TV-H	1 kHz - 100kHz	0.5 div	≥ 0.05Vp-p

HORIZONTAL AMPLIFIER (Input through channel 1 input)

X-Y Mode	Switch selectable using X-Y switch. CH 1: X axis CH 2: Y axis
Sensitivity	Same as vertical channel 2
Accuracy	Y-Axis: ±3%. X-Axis: ±6%
Input Impedance	ame as vertical channel 2
Frequency Response	DC to 1MHz typical (-3 dB), to 6 div horizontal deflection
X-Y Phase Difference	3° or less at 50 kHz
Max. Input Voltage	Same as vertical channel 2

CRT

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

COMPONENT TESTER

Components Tested	Resistors, Capacitors, Inductors, and Semiconductors
Test Voltage	6 V rms maximum (open)
Test Current	11 mA maximim (shorted)
Test Frequency	Line Frequency (60 Hz in USA)
Calibrating Voltage	1 kHz (±10%) Positive Square Wave, 0.2 V p-p (±2%)

Other Specifications

Within Specified Accuracy	50° to 95°F (10° to 35°C), ≤ 85% RH
Full Operation	32° to 104° F (0° to 40°C), ≤ 85% RH
Storage	-4° to 158° F (-20° to +70°C)
Power Requirements	Approximately 40 W
All other operating specifications are the same as model 2120A	
Dimensions (WxHxD)	12.8" x 5.2" x 15.7" (324 x 132 x 398 mm)
Weight	Approximately 16.8 lbs (7.6 kg)

Accessories

Three Year Warranty

SUPPLIED: Instruction Manual, Two PR-33A x1/x10 Probes or equivalent, AC Power Cord, Spare Fuse

OPTIONAL: PR-32A Demodulator Probe, PR-37A x1/x10/REF. Probe, PR-100A x100 Probe, PR-55 High Voltage x1000 Probe, LC-210A Carrying Case

2222 Verus Street Suite C San Diego CA 92154 USA
Toll Free: 866.363.6634 Tel: 619.429.4545 Fax: 619.374.7012
Email: sales@calright.com http://www.calright.com