

3-Channel, 8 Trace, 100MHz & 60MHz Oscilloscopes

- ◆ 100MHz (P2510) and 60MHz (P2560) Bandwidth.
- ◆ Dual time base.
- ◆ 1mV/division sensitivity.
- ◆ Sweep speeds to 2ns/division.
- ◆ Six vertical display modes: CH 1, CH 2, Alt/chop, Add, Subtract, Trigger View.
- ◆ Up to 8 simultaneous traces may be displayed.
- ◆ Vertical mode triggering for displaying unrelated signals.
- ◆ 14kV Acceleration Voltage for bright displays of low duty cycle signals.
- ◆ Auto linear focusing.
- ◆ Trigger level lock circuit for stable triggering on large duty cycle and video signals.
- ◆ CH 1 output, single sweep and much more.

◆ VERTICAL AMPLIFIER CH 1 and CH 2

Sensitivity: 5mV/div to 5V/div in 10 Steps (1-2-5 seq.); X5 Mag: 1mV/div to 1V/div.
Accuracy: ± 3%, ± 5% in X5 Mag
CH 3 Sensitivity: 0.1V/div. or 1V/div.
Bandwidth (-3dB): P2510: 100MHz, X5 Mag: 20MHz;
 P2560: 60MHz X5 Mag: 12MHz
Rise Time: P2510: 3.5ns, X5 Mag: < 15ns
 P2560: 5.8ns; X5 Mag: < 23ns
Input Impedance: 1MΩ ± 2% + 25pF ± 3pF
Input Coupling: AC-Gnd-DC
Invert Channel: CH 2
Display Modes: CH 1, CH 2, CH 3, Add, Subtract, Alt/chop
Max. Input Voltage: CH 1 & CH 2 400V DC or AC peak,
 CH 3 100V DC or AC peak
CH 1 Signal Output: 50mV into 50Ω
CMRR: > 50:1 for a 50kHz sine wave

◆ HORIZONTAL SWEEP

Timebase A
Sweep Time: 20ns/div to 0.5S/div in 23 steps (1-2-5 seq.), X10 Mag: 2ns/div to 50ms/div.
Accuracy: ± 3%, ± 5% in X10 Mag.)
Hold Off: Continuously adjustable to > 2X sweep time
Timebase B:
Sweep Time: 20ns/div to 50ms/div in 20 steps (1-2-5 seq.); X10 Mag: 2ns/div to 5ms/div.
Accuracy: ± 3%
Delay Time: Variable from 0.2μs to 5S
Display Modes: A, B, Alt, Trig'd, XY
Sweep Modes: Auto, Norm. and Single
Sweep Magnifier (A & B Sweep): X10 ± 5% (0.2μs to 0.5s); ± 8% 0.2μs to 0.1s)

◆ HORIZONTAL AMPLIFIER

Linearity: ± 3%, (± 5% in X10 Mag.)
X-Y Mode: CH 1-X axis, CH 2-Y axis)
Sensitivity: Same as CH 1 Vertical Amplifier
Bandwidth (-3dB): DC to 2MHz

◆ TRIGGERING

Source: CH 1, CH 2 Alt (V Mode), Line, Ext (CH 3), Ext (CH 3) + 10
Coupling: AC, AC-IF, TV-H TV-V, DC
Slope: Positive or Negative
Trigger Sensitivity: Int: P2510: DC to 10MHz: 0.4div, 10MHz to 100MHz: 2div; P2560: DC to 10MHz: 0.4div, 10MHz to 60MHz: 1.5div.
Ext: P2510: DC to 5MHz: 40mV P-P, 10MHz to 100MHz: 200mV P-P
 P2560: DC to 5MHz: 40mV P-P, 5MHz to 60MHz: 0.8V P-P
AC-IF Band-Pass: Approx. 10Hz to 50kHz
TV: Int: 2div, Ext: 0.2V PP

External Trigger Input:

Input Impedance: 1MΩ + 20pF; Max.
Input Volts: 100V DC or AC peak)

◆ Z AXIS MODULATION

Sensitivity: 3V P-P (Intensity increases with a negative going input)
Bandwidth (-3dB): DC to 5MHz
Input Impedance: Approx. 5KΩ
Maximum Input Voltage: 50V DC or AC peak)

◆ CALIBRATION SIGNAL

1V P-P 1kHz Square Wave

◆ CRT

Type: 6" rectangular CRT with illuminated internal 8X10 division grid. (1div. = 1cm.)
Acceleration Voltage: 14kV

◆ GENERAL SPECIFICATIONS

Power Requirements: AC Input voltage 100V, 120V, 220V, 240V ± 10% selectable
Power Consumption: 40 Watts 50/60 Hz
Dimensions: 5.75"H × 14.125"W × 15.125"L
 146mm × 360mm × 384mm
Weight: Approx. 26 lbs.
Supplied Accessories: AC Power cord, 2 Probes (K10), Spare fuse and Operation manual

