

PINTEK

50MHz Oscilloscope

★ **ECONOMIC MODEL!**

PS-500

Features:

- Sweep Time 23 Steps
- 50MHz Vert. Bandwidth
- Dual Trace, ALT Trigger
- Hold-off, X-Y Operation
- High Vert. Sensitivity: 1mV/DIV
- High Sweep Resolution: 10ns/DIV



IEC 1010 EN 61010

Pintek Electronic Co., Ltd
www.pintek.com.tw



CP-260

PS-500 50MHz OSCILLOSCOPE

SPECIFICATIONS

CRT

Type : Rectangular with integral graticule.

Display Area : 8 x 10 div (1 div = 1 cm)

Accelerating Voltage : 2.1 kV.

Phosphor : P31.

VERTICAL AMPLIFIERS (CH 1 and CH 2)

Sensitivity :

5 mV / div to 5 V / div (X1 mode).

1 mV / div to 1 V / div (X5 mode).

1-2-5 sequence, 10 step attenuator. Vernier control provides fully adjustable attenuation between steps.

Accuracy :

± 3 % (X1 mode)

± 5 % (X5 mode).

Input Resistance: 1 MΩ ± 2 %.

Input Capacitance: 25 pF ± 10 pF.

Frequency Response:

5 mV to 5 V / div (CAL): DC to 50 MHz (-3 dB).

1 mV / div (CAL): DC to 15 Mhz (-3 dB).

Rise Time: Approximately 7.0 ns.

Operating Modes:

CH1: CH 1, single trace.

CH2: CH 2, single trace.

ALT: dual trace, alternating.

CHOP: dual trace, chopped.

ADD: algebraic sum of CH1 + Ch2

Polarity Reversal(Invert): Ch2 only

Maximum Input Voltage: 400V dc+ac pack

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 vortical channel 2

Accuracy:

Y-Axis : ±3%

X-Axis : ±6%

Input Impedance: Same as vortical channel 2

Frequency Response: DC to 1 MHz typical (-3 dB)

X-Y Phase Difference: Approximately 3° at 50 kHz.

Maximum input Voltage: Same as vortical channel 2

SWEEP SYSTEM

Sweep Speed:

0.1 μs/div to 0.2 s/div in 1-2-5 sequence, 20 steps. Vernier control provides fully adjustable sweep time between steps.

Accuracy: ± 3 %.

Sweep Magnification:

10X, ± 10%

Hold off:

Continuously adjustable from NORM to 5 times normal.

TRIGGERING

Trigger Modes: AUTO (free run) or NORM

Trigger Source: CH 1, CH 2, ALT, EXT, LINE

Maximum External Trigger Voltage: 300 V dc + ac peak

Trigger Coupling:

AC : 30 Hz to 50 MHz.

TV - H : Used for triggering from horizontal sync pulses.

TV - V : Used for triggering from vertical sync pulses.

Trigger Sensitivity:

Internal: 0.5 division(1 division with TV Coupling).

External: 500 mV

OTHER SPECIFICATIONS

Calibration Voltage:

1 kHz (nominal) Positive Square Wave, 2.0 V p-p (±3%)

Trace Rotation: Electrical, front panel adjustable.

Power Requirements:

115, 230 V ±10%, 50/60 Hz, approximately 40W

Dimensions: 324 x 132 x 398 mm (12.8 x 5.2 x 15.6")

Weight: Approximately 7.8 kg (17.2 lbs)

Rated Range of Use: 10°C-35°C, 10-80% RH

Limits of Operation: 0°C-50°C, 10-80% RH

Storage Environment: -30°C-70°C, 10-90% RH

CE STANDARD:

E.M.C. Regulations-1992 (E.C. Directive 89/336/EEC)

EN 50081-1 Emissions

EN 50082-1 Immunity



IEC 1010
EN 61010

PINTEK

Pintek Electronic Co., Ltd

2F No.32 Tai-Pen Rd., Shulin City, Taipei Hsien,
Taiwan, R.O.C.

Tel: 886-2-86859562~3 Fax: 886-2-86852081

<http://www.pintek.com.tw>

E-Mail : pintek@pintek.com.tw ; pintek@ms26.hinet.net

SALES AGENT