

# **PINTEK**

- 60MHz Dual Trace, Dual Trigger
- Vert Sensitivity From 1mV/DIV to 15V/DIV
- Sweep Rate From 10nS/DIV to 2S/DIV
- Hold-Off, X-Y Operation



## *PS-600* *60MHz OSCILLOSCOPE*



IEC 1010 EN 61010

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



## SPECIFICATIONS

### CRT

Type : Rectangular with integral graticule.

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

Accelerating Voltage : 12 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 60 MHz (-3 dB).

1 mV / div (CAL): DC to 20MHz (-3 dB).

Rise Time: Approximately 5.8 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): CH 2 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 100 kHz.

Maximum input Voltage: Same as vortical channel 2

### SWEEP SYSTEM

#### Sweep Speed:

0.1 s/div to 2.0 μs/div in 1-2-5 sequence, 23 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 60 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:

115V, 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](mailto:pintek@pintek.com.tw); [pintek@ms26.hinet.net](mailto:pintek@ms26.hinet.net)

SALES AGENT