

# **PINTEK**

## **40MHz Oscilloscope**

### **PS-350**



IEC 1010 EN 61010

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

### **Features:**

- Sweep Time 23 Steps
- 40MHz Vert. Bandwidth
- Dual Trace, ALT Trigger
- Hold-off, X-Y Operation
- High Vert. Sensitivity: 1mV/DIV
- High Sweep Resolution: 10ns/DIV



# PS-350 40MHz 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 40 MHz (-3 dB).

1 mV / div (CAL): DC to 10 MHz (-3 dB).

**Rise Time:** Approximately 8.8 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):** 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 vertical channel 2

#### Accuracy:

Y-Axis : ±3%

X-Axis : ±6%

**Input Impedance:** Same as vertical 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 vertical 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 Electronics 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 ; 886-2-86861114

<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