

# PRODUCTS

## Pintek Electronics Co., Ltd

2016-17 Condensed Catalog



ELECTRONICS INSTRUMENT















# PINTEK

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# Differential Probe

## DP-16V

16KVp-p / 100MHz  
(High Voltage, x20, x200, x2000 Attenuator)

- MAX. Input Voltage:  $\pm 8KV$  DC or 16KV p-p or AC 5.6KV rms
- Bandwidth: DC-100MHz
- Input Impedance 30M $\Omega$ // 1.5PF
- x20, x200, x2000 Attenuator
- To Ground MAX. Voltage: 8KV CAT III
- Output Impedance 50 $\Omega$

**NEW!**

★ 16KVp-p  
High Voltage !



## DP-8V

8KVp-p / 100MHz  
(x10, x100, x1000 Attenuator)

- MAX. Input Voltage:  $\pm 4KV$  DC or 8KV p-p or AC 2.8KV rms
- Bandwidth: DC-100MHz
- Input Impedance 20M $\Omega$ // 2PF
- x10, x100, x1000 Attenuator
- To Ground MAX. Voltage: 4KV CAT III
- Output Impedance 50 $\Omega$

★ 8KVp-p  
High Voltage !



**NEW!**

## ACCESSORIES

ADP-100V/115V/230V



BP-250



BP-366



BP-266N



BP-276N



PX-501



**NEW!**



★ 40KVp-p  
High Voltage!

## DP-40K

20MHz / 40KVp-p  
(x500, x5000 Attenuator)

- MAX. Input Voltage: ±20KV DC or 40KV p-p or AC 14KV rms
- Bandwidth: DC-20MHz
- Input Impedance 100MΩ// 1PF
- x500, x5000 Attenuator
- To Ground MAX. Voltage: 10KV CAT III
- Output Impedance 50Ω

## ACCESSORIES

ADP-100V/115V/230V



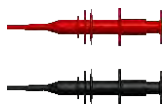
BP-250



BP-366



BP-266N



BP-276N



PX-501





# Differential Probe

★ High Sensitivity Model !

## DP-60HS

60MHz / 70Vp-p  
(x1, x5, x10 Attenuator)

- High Sensitivity Model  
x 1, x 5, x 10 Attenuation
- 1 MΩ // 2.5 PF Input Impedance
- High Frequency Operation
- x 1(15 MHz), x 5(50 MHz), x 10(60 MHz)
- Especially For Low Voltage
- x 1(7 Vp-p), x 5(36 Vp-p), x 10(70 Vp-p)

NEW!



## ACCESSORIES

ADP-100V/115V/230V



BP-250



BP-356N



BP-256N



BP-276N



# Differential Probe



## DP-100

4 RANGE X100, X200, X500, X1000  
(7KVp-p / 100MHz)

- 4 Range Attenuator.
- 7KV High Voltage Input.
- Over Range Indicate LED.
- High Input Impedance:  $100M\Omega // 1.3PF$
- Carry Box.
- Adaptor Input Auto Regulation System.

## ACCESSORIES

ADP-100V/115V/230V



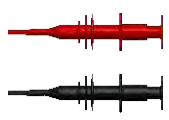
BP-250



BP-366



BP-266N



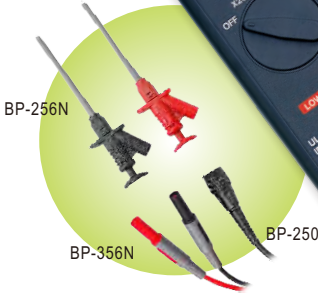
BP-276N



PX-501



## ★ Economic Model!



## DP-25

(1KVp-p / 25MHz)

- 3 Range x20, x50, x200
- 1000V Input CAT III.
- Separating Design, Convenient, Durable.
- Meet CE, IEC 1010, EN 61010, UL 3111.
- Adaptor Input Auto Regulation System.

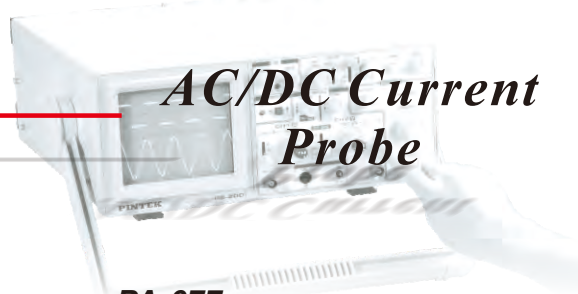
## DP-50

4 RANGE X100, X200, X500, X1000  
(6KVp-p / 50MHz)

- 4 Range Attenuator.
- 6KV High Voltage Input.
- Over Range Indicate LED.
- High Input Impedance: 54MΩ // 1.3PF
- Adaptor Input Auto Regulation System.



## ★ Economic Model!



# AC/DC Current Probe



**2mA/1MHz**

## PA-677

DC~1MHz / 2mA~70ADC, 140Ap-p

- Max.  $\pm 70\text{ADC}/140\text{Ap-p}$
- Sensitivity:  $\geq 2\text{mA}$
- Bandwidth: DC~1MHz
- Rise Time:  $0.35\mu\text{S}$
- Over Range Function
- 50mV/A, 500mV/A Range
- Adaptor/Battery Input
- Separating Design,
- Convenient Durable



**1mA/1.5MHz**

**High Sensitivity!**

## PA-699

DC~1.5MHz / 1mA~40ADC, 80Ap-p

- Max.  $\pm 40\text{ADC}/80\text{Ap-p}$
- Sensitivity:  $\geq 1\text{mA}$
- Bandwidth: DC~1.5MHz
- Rise Time:  $0.23\mu\text{S}$
- Over Range Function
- 1V/A, 0.1V/A Range
- Adaptor/Battery Input
- Separating Design,
- Convenient Durable

### ACCESSORIES

**ADAPTER** (ADP-110/115/230 DC 9V/300mA)



**BP-250**



**BP-246N** (Connect to DMM)



# AC/DC Current Probe

## PA-655

DC~500KHz;  $\geq 5mA$

- Max.  $\pm 50A$  DC
- Resolution:  $\geq 5mA$
- Bandwidth: DC~500KHz
- Rise Time: 0.7us
- Over Range Function.
- 20mV/A, 200mV/A Range.
- Adaptor/Battery Input.
- Separating Design, Convenient Durable.

5mA/500KHz



## PA-622

DC~300KHz;  $\geq 10mA$

- Max.  $\pm 100A$  DC
- Resolution:  $\geq 10mA$
- Bandwidth: DC~300KHz
- Rise Time: 1.2us
- Over Range Function.
- 10mV/A, 100mV/A Range.
- Adaptor/Battery Input.
- Separating Design, Convenient Durable.

10mA/300KHz



Low Noise!

## ACCESSORIES

**ADAPTER** (ADP-110/115/230  
DC 9V/300mA)



**BP-250**



**BP-246N** (Connect to DMM)



# High Voltage Amplifier

800 Vp-p  
±100mA



## HA-805

(800Vp-p / 100mA) (High Power Model)

- Max. Output Voltage : 800Vp-p (±400V)
- Bandwidth : DC~300KHz(400Vp-p)
- Output Current : ≤ 100mA
- Offset: ≤ 0~ ±400V DC(10 Turn VR)
- Voltage Gain : ≤ 0~180(10 Turn VR)
- Slew Rate(typ): 300V/us
- Output Protection Switch(7.5KΩ/80Watt)
- Microprocess Control Protection.

800 Vp-p  
±35mA



## HA-800

(800Vp-p / 35mA)

- Max. Output Voltage : 800Vp-p (±400V)
- Bandwidth : DC~200KHz(400Vp-p)
- Max Output Current : 35mA
- Offset: ≤ 0~ ±400V DC(10 Turn VR)
- Voltage Gain : ≤ 0~180(10 Turn VR)
- Slew Rate(typ): 200V/us
- Output Protection Switch(15KΩ/40Watt)
- Microprocess Control Protection.

## ACCESSORIES

### BP-250(x 2pcs)



BNC Plug to BNC Plug  
(50Ω RG58C UL, 100 cm)

### BP-253N



Banana Plug to  
Alligator Clip



# High Voltage Amplifier

**400 Vp-p  
±200mA**

## HA-405

**(400Vp-p / 200mA)(High Power High Bandwidth)**

- Max. Output Voltage : 400Vp-p ( $\pm 200V$ )
- Bandwidth : DC~1MHz(200Vp-p)
- Output Current :  $\leq 200mA$
- Offset:  $\leq 0 \sim \pm 200V$  DC(10 Turn VR)
- Voltage Gain :  $\leq 0 \sim 90$ (10 Turn VR)
- Slew Rate(typ): 500V/us
- Output Protection Switch(2K $\Omega$ /80 Watt)
- Microprocess Control Protection.



**400 Vp-p  
±80mA**

## HA-400

**(400Vp-p / 80mA)**

- Max. Output Voltage : 400Vp-p ( $\pm 200V$ )
- Bandwidth : DC~600KHz(200Vp-p)
- Max Output Current : 80mA
- Offset:  $\leq 0 \sim \pm 200V$  DC(10 Turn VR)
- Voltage Gain :  $\leq 0 \sim 90$ (10 Turn VR)
- Slew Rate(typ): 300V/us
- Output Protection Switch.



### ACCESSORIES

#### BP-250(x 2pcs)



BNC Plug to BNC Plug  
(50 $\Omega$  RG58C UL, 100 cm)

#### BP-253N



Banana Plug to  
Alligator Clip

# High Voltage Amplifier



**170 Vp-p  
±450mA**

## HA-205

*(170Vp-p/450mA, High Speed Model)*

- Very High Speed: 2500V/us
- High Current Output:  
450mA DC, 900mA ACp-p
- Voltage Output: 170Vp-p
- Offset: ±80V(10 Turn VR)
- Voltage Gain: 0~35(10 Turn VR)
- Bandwidth: DC~3MHz(100Vp-p)
- Microprocess Control Protection

★ **Very High Speed Model !**

## APPLICATION

- Function Generator Amplifier  
函數波形產生器波幅放大
- High Voltage Power Supply(≤27mA/ ±400V DC)  
高壓電源供應器(≤27mA/ ±400V DC)
- Semiconductor High Voltage Driver  
半導體高壓驅動
- TFT Field High Voltage Driver  
TFT產業高壓驅動
- High Voltage Engineering / 各種高壓工程
- MEMS Engineering / 微機電工程
- Nano Technology / 奈米科技
- PZT Driver / 壓電材料驅動
- Static Charge Engineering / 靜電科技工程
- Biomedical Engineering / 生醫檢測工程

# High Precision LCR Meter



## LCR-900

(100 Hz to 100KHz [ 5 Range ])

- Dual LCD Display.
- Capacitance, Resistance, Impedance, Inductance, Quality Factor, Dissipation Factor Phase Angle.
- Auto Detect Function.
- Open Circuit/Short Circuit Compassion.
- Operation Frequency 100Hz to 100KHz.
- Basic Accuracy: 0.3%
- Measurement Voltage Fixed at 0.6Vrms.

**100KHz  
With USB  
Interface**

## ACCESSORIES

### RP-91 TEST LEAD

- Using On Bench Type LCR Meter.
- Compatible On All Brands Bench Type LCR Meter.
- 4-Wire Leads Compensate Internal Impedance Error.



4 Wires Alligator Clip

# DC Power Supply

4 digits  
4 display!



## PW-4033

### 200W WITH HIGH RESOLUTION DISPLAY

- 4 digits LED, 4 display.
- 10 mV, 1mA Resolution.
- 30V/3Ax2+5V/3A Triple output.
- Tracking operation.
- 10 Turn VRx4, Easy operation.

## PW-4032

### 100W WITH HIGH RESOLUTION DISPLAY

- 4 digits LED, 2 display.
- 10 mV, 1mA Resolution.
- 30V/3A+5V/3A Dual output.
- 10 Turn VRx2, Easy operation.

High  
Resolution!



Toroidal  
Transformer!



## PW-3033R

### 200W WITH TOROIDAL TRANSFORMER

- 30V/3A+30V/3A+5V/3A Triple output.
- Tracking operation.
- <0.3mVrms Ripple & Noise(C.V.)
- <2mArms Ripple & Noise(C.C.)
- Low EMI & High EMS.
- 4 Display.

**4 Display  
Triple Out!**

## **PW-3033**

**200W DC POWER SUPPLY**

- 30V/3A+30V/3A+5V/3A Triple output.
- Tracking operation.
- <0.5mVrms Ripple & Noise(C.V.)
- <3mArms Ripple & Noise(C.C.)
- 4 Display.



**Toroidal  
Transformer!**



## **PW-3032R**

**100W DC P.S. WITH TOROIDAL TRANSFORMER**

- 30V/3A+5V/3A Dual output.
- <0.3mVrms Ripple & Noise(C.V.)
- <2mArms Ripple & Noise(C.C.)
- Low EMI & High EMS.
- Dual display.

## **PW-3032**

**100W DC POWER SUPPLY**

- 30V/3A+5V/3A Dual output.
- <0.5mVrms Ripple & Noise(C.V.)
- <3mArms Ripple & Noise(C.C.)
- Dual display.

**★ Economic Model!**





# DC Power Supply

## ★ Toroidal Transformer !

**400 VA/ 4 digits**



### **PW-4063R**

**PRECISION HIGH POWER 400VA DC POWER SUPPLY**

- 400VA, Toroidal Transformer.
- Triple Output:  
0~32V/0~6Ax2; 5V Fix/3A
- Tracking Operation:  
SER. 0~64V/0~6A  
PAR. 0~32V/0~12A
- 4 Display, 4 Digits.
- Resolution: 0.01V/0.001A
- 10 Turn VR x 4, nice selection!

### **PW-3063R**

**HIGH POWER 400VA DC POWER SUPPLY**

- 400VA, Toroidal Transformer.
- Triple Output:  
0~32V/0~6Ax2; 5V Fix/3A
- Tracking Operation:  
SER. 0~64V/0~6A  
PAR. 0~32V/0~12A
- 4 Display, 3Digits.
- Resolution: 0.1V/0.01A



**400 VA**



# Programable DC Power Supply

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**200 WATT**  
**4 digits**



## **PW-8033P**

**DC 0~32V / 0~3Ax2; Fix 5V/3A**

- DC 0~32V / 0~3A X 2 + Fix 5V/3A
- Triple Output 200 VA High Power
- 4 Digits, 4 Display
- Programable Control, 9 Memory
- Built In USB Interface
- Series 0~64V / 0~3A Operation

## **ACCESSORIES**

### **BP-253N BANANA PLUG TO ALLIGATOR CLIP**

- Silicone Wire 100cm
- UI3239, 18AWG
- 6 KV DC, 10A, 150°C



BP-253N

# Programmable DC MilliOhm Meter

## MR-30

- Double LCD Display
- 300,000 counts resolution
- Measurement Range: 30mΩ~3MΩ
- 0.05% accuracy
- 20 Standard User setting memory sets
- Sorting function and Relative percentage function
- PASS/FAIL test result alarm
- Computer Remote Manual and Auto Scan function
- Manual and Auto Channel select
- Sampling Rate: 30 sample/sec
- High Resolution Temperature compensation and measurement
- DUT Four-wire method
- USB interface



## ACCESSORIES

RP-93



TP-R04 (Option)



# Programmable Electronic Load

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## EL-820P

DC 1~63V / 0~15A / 0~200W

With USB!

- Digital button control and easy operation
- High resolution (20mV, 10mA, 0.1W, 0.1Ω)
- Overload prevention function
- 9 sets programmable memory
- 4 sets real time display
- Voltage range: 1V~63V
- Current range: 10mA~15A
- Maximum power: 200W
- Operation mode: CV, CC, CP and CR
- Built in USB interface

## ACCESSORIES

### BP-253N BANANA PLUG TO ALLIGATOR CLIP

- Silicone Wire 100cm
- UI3239, 18AWG
- 6 KV DC, 10A, 150°C



BP-253N

**5MHz!****FG-52****4 FUNCTION, 8 RANGE WITH AUTO COUNTER**

- 4 Function, 8 Range.
- Linear/Log Sweep.
- 0.001Hz Resolution.
- Auto Range Counter.
- Auto Gate-time Counter.
- Invert Function.

# Function Generator

**Convenience!**



## FG-32

**3MHZ F.G. WITH AUTO COUNTER**

- 6 Function, 6 Range.
- Linear/Log Sweep.
- Auto Range Counter.
- 0.001Hz Resolution.
- Auto Gatetime Counter.
- Counter Trigger Detect.



## FG-30

**3MHZ FUNCTION GENERATOR.**

- 6 Function, 6 Range.
- 0.5Hz~3MHz.
- Linear/Log Sweep.
- 20Vp-p Output.
- Sweep Control Signal Output.

**★ Economic Model!**

**10MHz!****FG-109****10MHz AM/FM FUNCTION GENERATOR**

- High resolution 10MHz DDS function generator.
- Various output waveforms: Sine, Square, Triangle, Pulse, Anti-Pulse.
- Independent DC offset from  $\pm 10V$  (no load).
- 20 settings store/recall.
- Counter up to 60MHz high frequency.
- AM with internal and external carry.
- Sweep mode with Linear and Log slope.
- FM wide modulation range up to 10 times.
- The signal Attenuate can be -20dB or -40 dB.
- USB terminal for computer operation.



# DDS Function Generator

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## FG-72

### 7MHz DDS FUNCTION GENERATOR

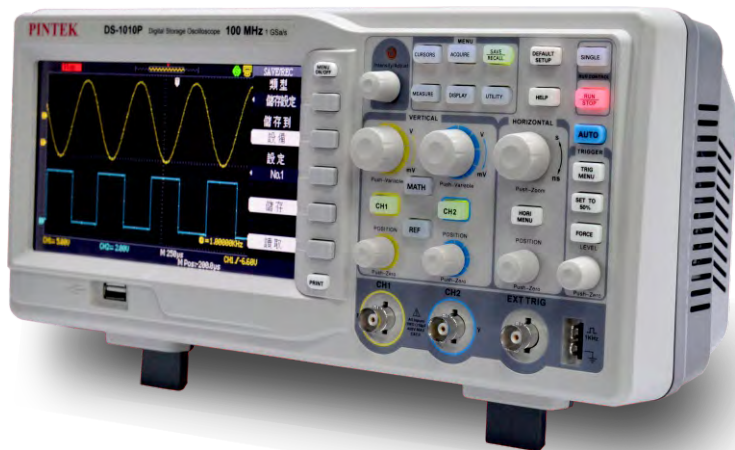
- 0.3 Hz~7MHz
- Hz/KHz/MHz Key , Easy Operation.
- LED: 0.56", 6 Digits.
- 2 Attenuator, -20dB x 2(-40dB)
- Built-In USB Interface.
- Duty Cycle ADJ To 3MHz
- PC Control:  
Frequency, Waveform, -20dB Attenuator.
- Waveform: Sine, Square, Triangle to 7MHz



## FG-102

### 10MHz DDS FUNCTION GENERATOR

- 0.3Hz~10MHz
- Hz/KHz/MHz Key , Easy Operation.
- LED: 0.56", 6 Digits.
- 2 Attenuator, -20dB x 2(-40dB)
- Built-In USB Interface.
- Duty Cycle ADJ To 3MHz
- PC Control: Frequency, Waveform, -20dB Attenuator.
- Waveform: Sine, Square, Triangle to 10MHz



## DS-1010P

100MHz 1 GSa/s

- 7" Color TFT LCD Display
- 2 Channels, Bandwidth 100MHz
- Single, Real-time Sampling Rate Is 1GS a/s
- Equivalent Sampling Rate Is 50GS a/s
- Auto Measure Thirty Two Parameters and Support All Measurement Function
- USB Host; USB Device; RS-232; Pass/Fail Out



**2nS  
Resolution!**

## **PS-1005**

**100MHz WITH DELAY SWEEP**

- 100MHz Dual trace, ALT Trigger.
- 1mV Sensitivity, 2nS Resolution.
- 20MHz Limit.
- Hold-off, X-Y, Z-Mod, Y-output.
- With Delay Sweep.
- Two Sweep MIX Function.

## **PS-1000**

**100MHz ANALOG OSCILLOSCOPE**

- 100MHz Dual trace, ALT Trigger.
- 1mV Sensitivity, 2nS Resolution.
- 20MHz Limit.
- Hold-off, X-Y, Z-Mod, Y-output.



**100MHz  
ECONOMIC  
MODEL!**

## **ACCESSORIES**

### **CP-2100** for model PS-1000/PS-1005 (2 sets)

- 100MHz Bandwidth.
- x1, x10
- 1.4M Cable Length
- < 1% DC Accuracy



CP-2100



**20MHz  
ECONOMIC  
MODEL!**

### **PS-200**

#### **20MHz ANALOG OSCILLOSCOPE**

- 20MHz dual trace, ALT trigger.
- Vert. Sensitivity 1mV/div.
- Hor. Resolution 10nS.
- Hold-off, X-Y operation.
- 23 Range Time Base.

#### **ACCESSORIES**



### **CP-260N** for all 20MHz~60MHz oscilloscopes (2 sets)

- 60MHz Bandwidth
- X1, x10
- 1.4M Cable Length
- < 1% DC Accuracy

# AC High Voltage Probe

(To Oscilloscope)

**39KV**  
**220MHz**  
**900M $\Omega$**

## HVP-39pro

- 39KVDC+ACpeak
- 900M $\Omega$  Impedance
- DC~220MHz(-3dB)
- 1000:1 for Oscilloscope
- Very Low Noise

★ Performance Model!



## HVP-28HF

- 28KVDC+ACpeak
- 500M $\Omega$  Impedance
- DC~200MHz
- 1000:1



**28KV**  
**500M $\Omega$**

**18KV**  
**200M $\Omega$**

## HVP-18HF

- 18KVDC+ACpeak
- 200M $\Omega$  Impedance
- DC~150MHz
- 1000:1

