



MODEL- MCPS-3002

**MULTIPLE METERING OF VOLTAGE, CURRENT, POWER & LOAD RESISTANCE**

**TECHNICAL SPECIFICATIONS**

Output Voltage	: 0-30.0 Volt
Output Current	: 0-2.00 Ampere
Metering	: 16X2 Dotmatrix LCD, Displays Voltage, Current, Watt & Resistance
Meter Accuracy	: $\pm 3$ counts.
PC Connectivity (Optional)	: Through Parallel Port

**CONSTANT VOLTAGE MODE**

Line Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for $\pm 10\%$ change in line output.
Load Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for load change from zero to full load.
Ripple & Noise	: $< 0.01\%$ rms

**CONSTANT CURRENT MODE**

Line Regulation	: $\pm 0.1\% \pm 500\mu\text{A}$ for $\pm 10\%$ line change.
Load Regulation	: $\pm 0.1\% \pm 500\mu\text{A}$ for change in output voltage from 0 - to maximum
Ripple & Noise	: 0.05% rms.
Mode of Indication CV	: GREEN LED indication for Constant Voltage (CV) operating mode.
Mode of Indication CC	: RED LED indication for Constant Current (CC) operating mode
Output Polarity	: Floating with respect to ground.
Overload Protection	: Automatic
Short Circuit Protection	: Automatic
Over temperature Protection	: Automatic Cut off and Resume (Optional)

**STABILITY\***

Total drift in CV mode	: $< \pm 0.2\% + 5\text{mV}$ (within 8 hours after warm-up)
Total drift in CC mode	: $< \pm 0.5\% + 5\text{mA}$ (within 8 hours after warm-up)
Operating Temperature	: $0-50^\circ\text{C} \pm 10\%$ .
Line Voltage	: 230V AC $\pm 10\%$ 50Hz, single phase
Dimensions**	: 150.0mm(H) 170.0mm(W) 325.0mm(D) Weight : 6.0kg(Approx.)

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs



MODEL- PS-3202

#### TECHNICAL SPECIFICATIONS

Output Voltage	: 0-32.0 Volt
Output Current	: 0-2.00 Ampere
Metering	: 7 segment LED 3 Digit DPM Green/ Red.
Meter Accuracy	: $\pm 3$ counts.

#### CONSTANT VOLTAGE MODE

Line Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for $\pm 10\%$ change in line output.
Load Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for load change from zero to full load.
Ripple & Noise	: $< 0.01\%$ rms

#### CONSTANT CURRENT MODE

Line Regulation	: $\pm 0.1\% \pm 500\mu\text{A}$ for $\pm 10\%$ line change.
Load Regulation	: $\pm 0.1\% \pm 500\mu\text{A}$ for change in output voltage from 0 - to maximum
Ripple & Noise	: 0.05% rms.
Mode of Indication CV	: GREEN LED indication for Constant Voltage (CV) operating mode.
Mode of Indication CC	: RED LED indication for Constant Current (CC) operating mode
Output Polarity	: Floating with respect to ground.
Overload Protection	: Automatic
Short Circuit Protection	: Automatic
Over temperature Protection	: Automatic Cut off and Resume (Optional)

#### STABILITY\*

Total drift in CV mode	: $< \pm 0.2\% + 5\text{mV}$ (within 8 hours after warm-up)
Total drift in CC mode	: $< \pm 0.5\% + 5\text{mA}$ (within 8 hours after warm-up)
Operating Temperature	: 0-50°C $\pm 10\%$ .
Line Voltage	: 230V AC $\pm 10\%$ 50Hz, single phase
Dimensions**	: 150.0mm(H) 170.0mm(W) 325.0mm(D) Weight : 6.0kg(Approx.)

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs



MODEL- PS-3002-E3

**TECHNICAL SPECIFICATIONS**

Output Voltage	: 0-30.0 Volt
Output Current	: 0-2.00 Ampere
Metering	: 7 segment LED 3 Digit DPM Green/ Red.
Meter Accuracy	: $\pm 3$ counts.

**CONSTANT VOLTAGE MODE**

Line Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for $\pm 10\%$ change in line output.
Load Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for load change from zero to full load.
Ripple & Noise	: $< 0.01\%$ rms

**CONSTANT CURRENT MODE**

Line Regulation	: $\pm 0.1\% \pm 500\mu\text{A}$ for $\pm 10\%$ line change.
Load Regulation	: $\pm 0.1\% \pm 500\mu\text{A}$ for change in output voltage from 0 - to maximum
Ripple & Noise	: 0.05% rms.
Mode of Indication CV	: GREEN LED indication for Constant Voltage (CV) operating mode.
Mode of Indication CC	: RED LED indication for Constant Current (CC) operating mode
Output Polarity	: Floating with respect to ground.
Overload & Short Circuit	: Automatically protected
Over temperature Protection	: Automatic Cut off and Resume

**STABILITY\***

Total drift in CV mode	: $< \pm 0.2\% + 5\text{mV}$ (within 8 hours after warm-up)
Total drift in CC mode	: $< \pm 0.5\% + 5\text{mA}$ (within 8 hours after warm-up)
Operating Temperature	: $0-50^\circ\text{C} \pm 10\%$ .

**Fixed Outputs**

<b>1) 5Volt 5 Ampere with over load and Short circuit protection</b>	
<b>2) <math>\pm 15</math> @ 0.5 Ampere with over load and Short circuit protection</b>	
Line Voltage	: 230V AC $\pm 10\%$ 50Hz, single phase
Dimensions**	: 150.0mm(H) 170.0mm(W) 325.0mm(D) Weight : 6.0kg(Approx.)

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MODEL- PS-3001-E-H2

**INCORPORATED WITH SEPARATE CHANNEL ON-OFF AND PRE-SET CURRENT SELECTION**

**TECHNICAL SPECIFICATIONS**

Output Voltage	: 0-300 Volt
Output Current	: 0-1.000 Ampere
Metering	: 7 segment LED 3 Digit DPM Green/ Red.
Meter Accuracy	: $\pm 3$ counts.

**CONSTANT VOLTAGE MODE**

Line Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for $\pm 10\%$ change in line output.
Load Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for load change from zero to full load.
Ripple & Noise	: $< 0.01\%$ rms

**CONSTANT CURRENT MODE**

Line Regulation	: $\pm 0.1\% \pm 500\mu\text{A}$ for $\pm 10\%$ line change.
Load Regulation	: $\pm 0.1\% \pm 500\mu\text{A}$ for change in output voltage from 0 - to maximum
Ripple & Noise	: 0.05% rms.
Mode of Indication CV	: GREEN LED indication for Constant Voltage (CV) operating mode.
Mode of Indication CC	: RED LED indication for Constant Current (CC) operating mode
Output Polarity	: Floating with respect to ground.
Overload Protection	: Automatic
Short Circuit Protection	: Automatic
Over temperature Protection	: Automatic Cut off and Resume

**STABILITY\***

Total drift in CV mode	: $< \pm 0.2\% + 5\text{mV}$ (within 8 hours after warm-up)
Total drift in CC mode	: $< \pm 0.5\% + 5\text{mA}$ (within 8 hours after warm-up)
Operating Temperature	: 0-50°C $\pm 10\%$ .
Line Voltage	: 230V AC $\pm 10\%$ 50Hz, single phase
Dimensions**	: 156.0mm(H) 306.0mm(W) 400.0mm(D) Weight : 10.0kg(Approx.)

*Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs*



MODEL- PS-3002D

**TECHNICAL SPECIFICATIONS**

Output Voltage (Channel 1 & 2)	: 0-30.0 Volt
Output Current (Channel 1 & 2)	: 0-2.00 Ampere
Metering	: 7 segment LED 3 Digit DPM Green/ Red.
Meter Accuracy	: $\pm 3$ counts.
<b>CONSTANT VOLTAGE MODE (Channel 1 &amp; 2)</b>	
Line Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for $\pm 10\%$ change in line output.
Load Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for load change from zero to full load.
Ripple & Noise	: $< 0.01\%$ rms
<b>CONSTANT CURRENT MODE (Channel 1 &amp; 2)</b>	
Line Regulation	: $\pm 0.1\% \pm 500\mu\text{A}$ for $\pm 10\%$ line change.
Load Regulation	: $\pm 0.1\% \pm 500\mu\text{A}$ for change in output voltage from 0 - to maximum
Ripple & Noise	: 0.05% rms.
Mode of Indication CV	: GREEN LED indication for Constant Voltage (CV) operating mode.
Mode of Indication CC	: RED LED indication for Constant Current (CC) operating mode
Output Polarity	: Floating with respect to ground.
Overload Protection	: Automatic
Short Circuit Protection	: Automatic
Over temperature Protection	: Automatic Cut off and Resume
<b>STABILITY* (Channel 1 &amp; 2)</b>	
Total drift in CV mode	: $< \pm 0.2\% + 5\text{mV}$ (within 8 hours after warm-up)
Total drift in CC mode	: $< \pm 0.5\% + 5\text{mA}$ (within 8 hours after warm-up)
Operating Temperature	: 0-50°C $\pm 10\%$ .
Line Voltage	: 230V AC $\pm 10\%$ 50Hz, single phase
Dimensions**	: 156.0mm(H) 306.0mm(W) 300.0mm(D) Weight : 8.0kg(Approx.)

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MODEL- PS-3002-M-512

### TECHNICAL SPECIFICATIONS

Output Voltage (Channel 1 & 2) : 0-30.0 Volt

Output Current (Channel 1 & 2) : 0-2.00 Ampere

Metering : 7 segment LED 3 Digit DPM Green/ Red.

Meter Accuracy :  $\pm 3$  counts.

#### CONSTANT VOLTAGE MODE (Channel 1 & 2)

Line Regulation :  $\pm 0.1\% \pm 2\text{mV}$  for  $\pm 10\%$  change in line output.

Load Regulation :  $\pm 0.1\% \pm 2\text{mV}$  for load change from zero to full load.

Ripple & Noise :  $< 0.01\%$  rms

#### CONSTANT CURRENT MODE (Channel 1 & 2)

Line Regulation :  $\pm 0.1\% \pm 500\mu\text{A}$  for  $\pm 10\%$  line change.

Load Regulation :  $\pm 0.1\% \pm 500\mu\text{A}$  for change in output voltage from 0 - to maximum

Ripple & Noise : 0.05% rms.

Mode of Indication CV : GREEN LED indication for Constant Voltage (CV) operating mode.

Mode of Indication CC : RED LED indication for Constant Current (CC) operating mode

Output Polarity : Floating with respect to ground.

Overload Protection : Automatic

Short Circuit Protection : Automatic

Over temperature Protection : Automatic Cut off and Resume

#### STABILITY\* (Channel 1 & 2)

Total drift in CV mode :  $< \pm 0.2\% + 5\text{mV}$  (within 8 hours after warm-up)

Total drift in CC mode :  $< \pm 0.5\% + 5\text{mA}$  (within 8 hours after warm-up)

Operating Temperature :  $0-50^\circ\text{C} \pm 10\%$ .

#### Fixed Outputs

1) 5Volt 5 Ampere with over load and Short circuit protection

2) 12 Volt @ 5 Ampere with over load and Short circuit protection

Line Voltage : 230V AC  $\pm 10\%$  50Hz, single phase

Dimensions\*\* : 156.0mm(H) 306.0mm(W) 300.0mm(D) Weight : 9.0kg(Approx.)

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel & excluding legs



MODEL- PS-3002-55-151

### TECHNICAL SPECIFICATIONS

Output Voltage (Channel 1)	: 0-30.0 Volt
Output Current (Channel 1)	: 0-2.00 Ampere
Output Voltage (Channel 2)	: 0-5.5 Volt
Output Current (Channel 2)	: 5.00 Ampere max.
Output Voltage (Channel 3)	: $\pm 1.5$ -15.5 Volt simultaneously variable (Tracking)
Output Current (Channel 3)	: 1.00 Ampere max.
Metering (Channel 1)	: 7 segment LED 3 Digit DPM Green for Volt and Red for current.
Metering (Channel 2 & 3)	: 7 segment LED 3 Digit DPM Green for Voltage.
Meter Accuracy	: $\pm 3$ counts.

### CONSTANT VOLTAGE MODE (Channel 1)

Line Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for $\pm 10\%$ change in line output.
Load Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for load change from zero to full load.
Ripple & Noise	: $< 0.01\%$ rms

### CONSTANT CURRENT MODE (Channel 1)

Line Regulation	: $\pm 0.1\% \pm 500\mu\text{A}$ for $\pm 10\%$ line change.
Load Regulation	: $\pm 0.1\% \pm 500\mu\text{A}$ for change in output voltage from 0 - to maximum
Ripple & Noise	: 0.05% rms.
Mode of Indication CV	: GREEN LED indication for Constant Voltage (CV) operating mode.
Mode of Indication CC	: RED LED indication for Constant Current (CC) operating mode
Output Polarity	: Floating with respect to ground.
Overload Protection	: Automatic
Short Circuit Protection	: Automatic

### STABILITY\* (Channel 1, 2 & 3)

Total drift in Voltage & Current	: $< \pm 0.2\% + 5\text{mV} \ \& \ 5\text{mA}$ respectively (within 8 hours after warm-up)
Operating Temperature	: 0-50°C $\pm 10\%$ .
Line Voltage	: 230V AC $\pm 10\%$ 50Hz, single phase
Dimensions**	: 156.0mm(H) 306.0mm(W) 300.0mm(D) Weight : 9.5kg(Approx.)

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs



MODEL- RPS-3302T

**SLAVE OUTPUT ISOLATED AUTOMATICALLY & MASTER CONTROLS ON TRACKING MODES**

**TECHNICAL SPECIFICATIONS**

Output Voltage (Channel 1 & 2) : 0-33.0 Volt

Output Current (Channel 1 & 2) : 0-2.00 Ampere

Metering : 7 segment LED 3 Digit DPM Green/ Red.

Meter Accuracy :  $\pm 3$  counts.

**CONSTANT VOLTAGE MODE (Channel 1 & 2)**

Line Regulation :  $\pm 0.1\% \pm 2\text{mV}$  for  $\pm 10\%$  change in line output.

Load Regulation :  $\pm 0.1\% \pm 2\text{mV}$  for load change from zero to full load.

Ripple & Noise :  $< 0.01\%$  rms

**CONSTANT CURRENT MODE (Channel 1 & 2)**

Line Regulation :  $\pm 0.1\% \pm 500\mu\text{A}$  for  $\pm 10\%$  line change.

Load Regulation :  $\pm 0.1\% \pm 500\mu\text{A}$  for change in output voltage from 0 - to maximum

Ripple & Noise : 0.05% rms.

Mode of Indication CV : GREEN LED indication for Constant Voltage (CV) operating mode.

Mode of Indication CC : RED LED indication for Constant Current (CC) operating mode

Output Polarity : Floating with respect to ground.

Overload & Short Circuit : Automatically Protected

Over temperature Protection : Automatic Cut off and Resume

**TRACKING MODES**

Independent Mode : Each Channel Individually controls for 0-33 Volt and 0-2 Amps

Parallel Mode : MASTER Controls both Channel to get 0-33 volt and 0-4 Amps

Series Mode : MASTER Controls both Channel to get 0-66 volt and 0-2 Amps

**STABILITY\*** (Channel 1 & 2) (Operating Temperature between 0-50°C  $\pm 10\%$ .)

Total drift in CV mode :  $< \pm 0.2\% + 5\text{mV}$  (within 8 hours after warm-up)

Total drift in CC mode :  $< \pm 0.5\% + 5\text{mA}$  (within 8 hours after warm-up)

**FIXED OUTPUT : 5Volt 5 Ampere with over load and Short circuit protection**

Line Voltage : 230V AC  $\pm 10\%$  50Hz, single phase

Dimensions\*\* : 156.0mm(H) 306.0mm(W) 400.0mm(D) Weight : 10.0kg(Approx.)

*Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs*





MODEL- PS-3002DT

**TECHNICAL SPECIFICATIONS**

Output Voltage (Channel 1 & 2) : 0-30.0 Volt

Output Current (Channel 1 & 2) : 0-2.00 Ampere

Metering : 7 segment LED 3 Digit DPM Green/ Red.

Meter Accuracy :  $\pm 3$  counts.

**CONSTANT VOLTAGE MODE** (Channel 1 & 2)

Line Regulation :  $\pm 0.1\% \pm 2\text{mV}$  for  $\pm 10\%$  change in line output.

Load Regulation :  $\pm 0.1\% \pm 2\text{mV}$  for load change from zero to full load.

Ripple & Noise :  $< 0.01\%$  rms

**CONSTANT CURRENT MODE** (Channel 1 & 2)

Line Regulation :  $\pm 0.1\% \pm 500\mu\text{A}$  for  $\pm 10\%$  line change.

Load Regulation :  $\pm 0.1\% \pm 500\mu\text{A}$  for change in output voltage from 0 - to maximum

Ripple & Noise : 0.05% rms.

Mode of Indication CV : GREEN LED indication for Constant Voltage (CV) operating mode.

Mode of Indication CC : RED LED indication for Constant Current (CC) operating mode

Output Polarity : Floating with respect to ground.

Overload & Short Circuit : Automatically Protected

Over temperature Protection : Automatic Cut off and Resume

**TRACKING MODES**

Independent Mode : Each Channel Individually controls for 0-30 Volt and 0-2 Amps

Parallel Mode : MASTER Controls both Channel to get 0-30 volt and 0-4 Amps

Series Mode : MASTER Controls both Channel to get 0-60 volt and 0-2 Amps

**STABILITY\*** (Channel 1 & 2) (Operating Temperature between 0-50°C  $\pm 10\%$ .)

Total drift in CV mode :  $< \pm 0.2\% + 5\text{mV}$  (within 8 hours after warm-up)

Total drift in CC mode :  $< \pm 0.5\% + 5\text{mA}$  (within 8 hours after warm-up)

**FIXED OUTPUT : 5Volt 2 Ampere with over load and Short circuit protection**

Line Voltage : 230V AC  $\pm 10\%$  50Hz, single phase

Dimensions\*\* : 156.0mm(H) 306.0mm(W) 300.0mm(D) Weight : 6.0kg(Approx.)

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs



MODEL- PPS-3202-T

**MULTIPLE MEMORY STORAGE, LOCK, TIMER, TRACKING & PC INTERFACE WITH DATA LOGGER**

**TECHNICAL SPECIFICATIONS**

Output Voltage (Channel 1 & 2) : 0-33.0 Volt

Output Current (Channel 1 & 2) : 0-2.00 Ampere

Metering : 7 segment LED 3 Digit DPM Green/ Red.

Meter Accuracy :  $\pm 3$  counts.

**CONSTANT VOLTAGE MODE (Channel 1 & 2)**

Line Regulation :  $\pm 0.1\% \pm 2\text{mV}$  for  $\pm 10\%$  change in line output.

Load Regulation :  $\pm 0.1\% \pm 2\text{mV}$  for load change from zero to full load.

Ripple & Noise :  $< 0.01\%$  rms

**CONSTANT CURRENT MODE (Channel 1 & 2)**

Line Regulation :  $\pm 0.1\% \pm 500\mu\text{A}$  for  $\pm 10\%$  line change.

Load Regulation :  $\pm 0.1\% \pm 500\mu\text{A}$  for change in output voltage from 0 - to maximum

Ripple & Noise : 0.05% rms.

Mode of Indication CV : GREEN LED indication for Constant Voltage (CV) operating mode.

Mode of Indication CC : RED LED indication for Constant Current (CC) operating mode

Output Polarity : Floating with respect to ground.

Overload & Short Circuit : Automatically Protected

Over temperature Protection : Automatic Cut off and Resume

**TRACKING MODES**

Independent Mode : Each Channel Individually controls for 0-33 Volt and 0-2 Amps

Parallel Mode : MASTER Controls both Channel to get 0-33 volt and 0-4 Amps

Series Mode : MASTER Controls both Channel to get 0-66 volt and 0-2 Amps

**STABILITY\*** (Channel 1 & 2) (Operating Temperature between 0-50°C  $\pm 10\%$ .)

Total drift in CV mode :  $< \pm 0.2\% + 5\text{mV}$  (within 8 hours after warm-up)

Total drift in CC mode :  $< \pm 0.5\% + 5\text{mA}$  (within 8 hours after warm-up)

**FIXED OUTPUT : 5Volt 5 Ampere with over load and Short circuit protection**

Line Voltage : 230V AC  $\pm 10\%$  50Hz, single phase

Dimensions\*\* : 156.0mm(H) 306.0mm(W) 400.0mm(D) Weight : 8.0kg(Approx.)

*Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs*



## Positive & Negative Regulated Fixed output Power Supply



MODEL- DRPS-1502

### TECHNICAL SPECIFICATIONS

Positive Output Voltage	: +5.00 Volt / +9.00Volt / +12.00 Volt /+15.00 Volt
Positive Output Current	: 2.00 Ampere
Negative Output Voltage	: -5.00 Volt / -9.00Volt /-12.00 Volt /-15.00 Volt
Negative Output Current	: 2 Ampere
Total Output Current	: 2.00 Ampere
Line Regulation	: $\pm 0.1\% \pm 2\text{mV}$ for $\pm 10\%$ change in line output.
Load Regulation	: $\pm 0.5\% \pm 2\text{mV}$ for load change from zero to full load.
Ripple & Noise	: $< 0.05\%$ rms
Overload Protection	: Automatic
Short Circuit Protection	: Automatic
Over temperature Protection	: Automatic Cut off and Resume
Operating Temperature	: $0-50^{\circ}\text{C} \pm 10\%$ .
Line Voltage	: 230V AC $\pm 10\%$ 50Hz, single phase
Dimensions**	: 135.0mm(Height) 135.0mm(Width) 215.0mm(Depth)
Weight	: 3.0kg(Approx.)
(Photograph Shows $\pm 15.00$ Voltage Variant. Product view is same for all variants)	

*Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs*

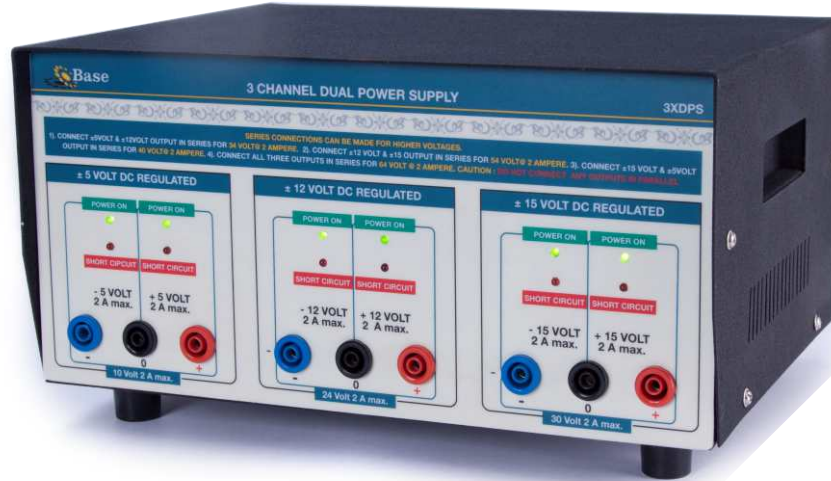
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## Positive & Negative Regulated Fixed output Power Supply



MODEL-3XDPS

### TECHNICAL SPECIFICATIONS

Fixed Regulated Outputs.

Positive Voltages : 5.0 Volt, 12.0 Volt & 15.0 Volt ( $\pm 0.05\%$ )

Negative Voltages : 5.0 Volt, 12.0 Volt & 15.0 Volt ( $\pm 0.05\%$ )

Current : 2.0 A Max. with Each channel simultaneously

Line Regulation :  $< 0.1\% \pm 5\text{mV}$  for 10% of Mains 230 Volt (207VAC to 253VAC)

Load Regulation :  $< 0.5\% \pm 5\text{mV}$  for load change from 0 to full load

Ripple & Noise :  $< 10\text{mV}$  max.

### INDICATIONS

Power On : GREEN LED provided to each Channel on the front panel

Short Circuit : RED LED provided to each Channel on the front panel

Protections : Over load and Short Circuit Protections

Input Mains : 230VAC  $\pm 10\%$ , 50Hz, Single Phase (110V optional)

### SERIES COMBINATIONS

Channel 1 & 2 ( $\pm 5$  &  $\pm 12$  Volts) : 34 Volts

Channel 2 & 3 ( $\pm 12$  &  $\pm 15$  Volts) : 54 Volts

Channel 1, 2, & 3 ( $\pm 5$ ,  $\pm 12$  &  $\pm 15$  Volts) : 64 Volts

Outputs of 5.0, 10.0, 22.0 and 49.0 Volt can also be derived from different series combinations.

Operating Temperature :  $0-50^\circ\text{C} \pm 10\%$ .

Line Voltage : 230V AC  $\pm 10\%$  50Hz, single phase

Dimensions\*\* : 130.0mm(Height) 270.0mm(Width) 210.0mm(Depth)

Weight : 6.0kg(Approx.)

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel & excluding legs

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[www.baseinstruments.com](http://www.baseinstruments.com)



## Positive & Negative Regulated Fixed output Power Supply



MODEL-RPS12-5 OPMP

### TECHNICAL SPECIFICATIONS

Fixed Regulated Outputs.

Positive Voltages : 5.0 Volt & 12.0 Volt ( $\pm 0.05\%$ )

Negative Voltages : 5.0 Volt & 12.0 Volt ( $\pm 0.05\%$ )

Current : 1.0 A Max. with Each channel simultaneously

Line Regulation :  $<0.1\% \pm 5\text{mV}$  for 10% of Mains 230 Volt (207VAC to 253VAC)

Load Regulation :  $<0.5\% \pm 5\text{mV}$  for load change from 0 to full load

Ripple & Noise :  $<10\text{mV}$  max.

### INDICATIONS

Power On : LED Mounted on the front panel Lights as GREEN

Short Circuit : LED Lights as RED

Protections : Over load and Short Circuit Protections

Input Mains : 230VAC  $\pm 10\%$ , 50Hz, Single Phase (110V optional)

### SERIES COMBINATIONS

Channel 1 & 2 ( $\pm 5$  &  $\pm 12$  Volts) : 34 Volts

Operating Temperature :  $0-50^\circ\text{C} \pm 10\%$ .

Line Voltage : 230V AC  $\pm 10\%$  50Hz, single phase

Dimensions\*\* : 65.0mm(Height) 165.0mm(Width) 170.0mm(Depth)

Weight : 2.5kg(Approx.)

*Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel & excluding legs*

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## Un Regulated Fixed output AC DC Power Supply



MODEL- PS-5319

### TECHNICAL SPECIFICATIONS

AC Output Voltage	2.0, 4.0, 6.0, 8.0, 10.0, & 12.0 Volt
DC Output Voltage	: 1.4, 3.4, 5.4, 7.4, 9.4, & 11.4 Volt
Output Current	: 5 Ampere (Either AC or DC at a time)
Voltage selection	: By Shoring Link
Overload Protection	: Auto cut off
Short Circuit Protection	: Auto cut off
Resume on Auto cut off	: Press re-Set after a while
Over temperature Protection	: Automatic Cut off and Resume
Operating Temperature	: 0-50°C ±10%.
Line Voltage	: 230V AC ±10% 50Hz, single phase
Dimensions**	: 125.0mm(H) 165.0mm(W) 150.0mm(D)
Weight	: 6.0kg(Approx.)

*Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs*

Instruments division of  **SAI SYSTEMS** Regd. Off. 5A/201, Sunrise, opp. Samna Pariwar, Gen. A. K. Vaidya Road, Dindoshi (E) Mumbai. 400063

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[www.baseinstruments.com](http://www.baseinstruments.com)



## Un Regulated Variable output AC DC Power Supply



MODEL- PS-3005V

### TECHNICAL SPECIFICATIONS

AC Output Voltage	: 0-50 Volt
DC Output Voltage	: 0-50 Volt
Output Current	: 5 Ampere (Either AC or DC at a time)
METERING	: 3½ Digit Digital meters for Voltage & Current
Voltage	: Common Meter for AC & DC Selectable
Current	: Independent Meters for AC & DC
Overload Protection	: Auto cut off
Short Circuit Protection	: Auto cut off
Resume on Auto cut off	: Press re-Set after a while
Over temperature Protection	: Automatic Cut off and Resume
Operating Temperature	: 0-50°C ±10%.
Line Voltage	: 230V AC ±10% 50Hz, single phase
Dimensions**	: 150.0mm(Height) 170.0mm(Width) 325.0mm(Depth)
Weight	: 3.90Kg

*Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs*

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[www.baseinstruments.com](http://www.baseinstruments.com)



**100 kHz /200kHz /300kHz Function Generator (Waveform Generator)**



MODEL-FG-30

Technical Specifications	MODEL-FG10(100kHz)	MODEL-FG20(200kHz)	MODEL-FG30(100kHz)
Frequency Range	0.1Hz - 100kHz	0.2Hz - 200kHz	0.3Hz - 300kHz
Waveforms	Sine, Square, Triangle	Sine, Square, Triangle	Sine, Square, Triangle
Accuracy (Frequency)	±1%	±1%	±1%
Maximum Output Level	20V pp & 10V pp into 50Ω	20V pp & 10V pp into 50Ω	20V pp & 10V pp into 50Ω
Attenuator	0-60dB in 2 steps	0-60dB in 2 steps	0-60dB in 2 steps
Sine Wave Distortion	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz
Square Wave Rise/Fall	< 70 nsec	< 70 nsec	< 70 nsec
Sync Output	TTL Pulse	TTL Pulse	TTL Pulse
C MOS out	NA	NA	NA
VCG Input	0-2 VDC	0-2 VDC	0-2 VDC
Output DC Offset	NA	NA	NA
Pulse Duty Cycle	NA	NA	NA
Pulse/Ramp	NA	NA	NA
5 Watt Amplifier	NA	NA	NA
4 Digit 50MHz Counter	Optional	Optional	Optional
3 Digit Amplitude Display	Optional	Optional	Optional
AM / FM	NA	NA	NA
Internal Sweep	NA	NA	NA
Mains Voltage	230V±10% (Optional 110V)	230V±10% (Optional 110V)	230V±10% (Optional 110V)
Dimensions	245.00 mm(Width)X75.00 mm(Height)X150.00 mm(Depth)		
Weight	1.90Kg		

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs





## 50 kHz /100kHz Signal Generator with Audio Amplifier



MODEL-SGA-100K5

Technical Specifications	MODEL-SGA50K5	MODEL-SGA100K5
<b>Frequency Range</b>	0.5Hz - 50kHz	0.1Hz - 100kHz
<b>Waveforms</b>	Sine, Square, Triangle	Sine, Square, Triangle
<b>Accuracy (Frequency)</b>	±1%	±1%
<b>Maximum Output Level</b>	20V pp & 10V pp into 50Ω	20V pp & 10V pp into 50Ω
<b>Attenuator</b>	0-60dB in 2 steps	0-60dB in 2 steps
<b>Sine Wave Distortion</b>	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz
<b>Square Wave Rise/Fall</b>	< 70 nsec	< 70 nsec
<b>Sync Output</b>	TTL Pulse	TTL Pulse
<b>C MOS out</b>	NA	NA
<b>VCG Input</b>	0-2 VDC	0-2 VDC
<b>Output DC Offset</b>	NA	NA
<b>Pulse Duty Cycle</b>	NA	NA
<b>Pulse/Ramp</b>	NA	NA
<b>5 Watt Amplifier</b>	Yes, with external Audio IN	Yes, with external Audio IN
<b>4 Digit 50MHz Counter</b>	Optional	Optional
<b>3 Digit Amplitude Display</b>	Optional	Optional
<b>AM / FM</b>	NA	NA
<b>Internal Sweep</b>	NA	NA
<b>Mains Voltage</b>	230V±10% (Optional 110V)	230V±10% (Optional 110V)
<b>Dimensions</b>	295.0mm(Width)X75.00mm(Height)X155.00mm(Depth)	
<b>Weight</b>	2.6Kg	

*Note: Sai Systems reserves the right to specifications and are subject to change without notice.\*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs*



## 1MHz/ 2MHz/ 3MHz Waveform Generator with Frequency Counter



MODEL-FG- 1M

Technical Specifications	MODEL-FG- 1M	MODEL-FG- 2M	MODEL-FG- 3M
Frequency Range	0.01Hz - 1MHz	0.02Hz - 2MHz	0.03Hz - 3MHz
Waveforms	Sine, Square, Triangle	Sine, Square, Triangle	Sine, Square, Triangle
Accuracy	±2% plus 1 Digit	±2% plus 1 Digit	±2% plus 1 Digit
Maximum Output Level	20V pp & 10V pp into 50Ω	20V pp & 10V pp into 50Ω	20V pp & 10V pp into 50Ω
Attenuator	0-60dB in 3 steps	0-60dB in 3 steps	0-60dB in 3 steps
Sine Wave Distortion	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz
Square Wave Rise/Fall	< 70 nsec	< 70 nsec	< 70 nsec
Sync Output	TTL Pulse	TTL Pulse	TTL Pulse
C MOS out	NA	NA	NA
VCG Input	NA	NA	NA
Output DC Offset	0- +/-5V (Open Circuit)	0- +/-5V (Open Circuit)	0- +/-5V (Open Circuit)
Pulse Duty Cycle	0- ±2.5 V into 50 ohm	0- ±2.5 V into 50 ohm	0- ±2.5 V into 50 ohm
Pulse/Ramp	15% to 85% Variable Approximately.1/10 of normal at same setting	15% to 85% Variable Approximately.1/10 of normal at same setting	15% to 85% Variable Approximately.1/10 of normal at same setting
5 Watt Amplifier	NA	NA	NA
4/5 Digit 50MHz Counter	Yes 4 Digit / 5 digit	Yes 4 Digit / 5 digit	Yes 4 Digit / 5 digit
3 Digit Amplitude Display	NA	NA	NA
AM / FM	NA	NA	NA
Internal Sweep	NA	NA	NA
Mains Voltage AC 50Hz	230V±10% Optional 110V	230V±10% Optional 110V	230V±10% Optional 110V
Dimensions	285.00 mm(Width)X75.00 mm(Height)X230.00 mm(Depth)		
Weight	2.80Kg		

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs



## 1MHz/ 2MHz/ 3MHz Waveform Generator with AM FM & Frequency Counter



MODEL-FG- 3M

Technical Specifications	MODEL-FG- 1M	MODEL-FG- 2M	MODEL-FG- 3M
Frequency Range	0.01Hz - 1MHz	0.02Hz - 2MHz	0.03Hz - 3MHz
Waveforms	Sine, Square, Triangle	Sine, Square, Triangle	Sine, Square, Triangle
Accuracy	±2% plus 1 Digit	±2% plus 1 Digit	±2% plus 1 Digit
Maximum Output Level	20V pp & 10V pp into 50Ω	20V pp & 10V pp into 50Ω	20V pp & 10V pp into 50Ω
Attenuator	0-60dB in 3 steps	0-60dB in 3 steps	0-60dB in 3 steps
Sine Wave Distortion	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz
Square Wave Rise/Fall	< 70 nsec	< 70 nsec	< 70 nsec
Sync Output	TTL Pulse	TTL Pulse	TTL Pulse
C MOS out	NA	NA	NA
VCG Input	NA	NA	NA
Output DC Offset	0- +/-5V (Open Circuit)	0- +/-5V (Open Circuit)	0- +/-5V (Open Circuit)
Pulse Duty Cycle	0- ±2.5 V into 50 ohm	0- ±2.5 V into 50 ohm	0- ±2.5 V into 50 ohm
Pulse/Ramp	15% to 85% Variable Approximately.1/10 of normal at same setting	15% to 85% Variable Approximately.1/10 of normal at same setting	15% to 85% Variable Approximately.1/10 of normal at same setting
5 Watt Amplifier	NA	NA	NA
4/5 Digit 50MHz Counter	Yes 4 Digit / 5 digit	Yes 4 Digit / 5 digit	Yes 4 Digit / 5 digit
3 Digit Amplitude Display	NA	NA	NA
AM / FM	Yes	Yes	Yes
Internal Sweep	NA	NA	NA
Mains Voltage AC 50Hz	230V±10% Optional 110V	230V±10% Optional 110V	230V±10% Optional 110V
Dimensions	285.00 mm(Width)X75.00 mm(Height)X230.00 mm(Depth)		
Weight	2.80kg		

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel & excluding legs



## 1MHz/ 2MHz/ 3MHz Waveform Generator with AM FM Frequency Counter & Amplitude Display



MODEL-FG- 3M

Technical Specifications	MODEL-FG- 1M	MODEL-FG- 2M	MODEL-FG- 3M
Frequency Range	0.01Hz - 1MHz	0.02Hz - 2MHz	0.03Hz - 3MHz
Waveforms	Sine, Square, Triangle	Sine, Square, Triangle	Sine, Square, Triangle
Accuracy	±2% plus 1 Digit	±2% plus 1 Digit	±2% plus 1 Digit
Maximum Output Level	20V pp & 10V pp into 50Ω	20V pp & 10V pp into 50Ω	20V pp & 10V pp into 50Ω
Attenuator	0-60dB in 3 steps	0-60dB in 3 steps	0-60dB in 3 steps
Sine Wave Distortion	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz
Square Wave Rise/Fall	< 70 nsec	< 70 nsec	< 70 nsec
Sync Output	TTL Pulse	TTL Pulse	TTL Pulse
C MOS out	NA	NA	NA
VCG Input	NA	NA	NA
Output DC Offset	0- +/-5V (Open Circuit)	0- +/-5V (Open Circuit)	0- +/-5V (Open Circuit)
Pulse Duty Cycle	0- ±2.5 V into 50 ohm	0- ±2.5 V into 50 ohm	0- ±2.5 V into 50 ohm
Pulse/Ramp	15% to 85% Variable Approximately.1/10 of normal at same setting	15% to 85% Variable Approximately.1/10 of normal at same setting	15% to 85% Variable Approximately.1/10 of normal at same setting
5 Watt Amplifier	NA	NA	NA
4/5 Digit 50MHz Counter	4 Digit / 5 digit	4 Digit / 5 digit	4 Digit / 5 digit
3 Digit Amplitude Display	Yes	Yes	Yes
AM / FM	Yes	Yes	Yes
Internal Sweep	NA	NA	NA
Mains Voltage AC 50Hz	230V±10% Optional 110V	230V±10% Optional 110V	230V±10% Optional 110V
Dimensions	285.00 mm(Width)X75.00 mm(Height)X230.00 mm(Depth)		
Weight	2.80kg		

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs



## 1MHz/ 2MHz/ 3MHz Waveform Generator with AM FM Frequency Counter & Amplitude Display



MODEL-FG- 3M

Technical Specifications	MODEL-FG- 1M	MODEL-FG- 2M	MODEL-FG- 3M
Frequency Range	0.01Hz - 1MHz	0.02Hz - 2MHz	0.03Hz - 3MHz
Waveforms	Sine, Square, Triangle	Sine, Square, Triangle	Sine, Square, Triangle
Accuracy	$\pm 2\%$ plus 1 Digit	$\pm 2\%$ plus 1 Digit	$\pm 2\%$ plus 1 Digit
Maximum Output Level	20V pp & 10V pp into 50 $\Omega$	20V pp & 10V pp into 50 $\Omega$	20V pp & 10V pp into 50 $\Omega$
Attenuator	0-60dB in 3 steps	0-60dB in 3 steps	0-60dB in 3 steps
Sine Wave Distortion	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz
Square Wave Rise/Fall	< 70 nsec	< 70 nsec	< 70 nsec
Sync Output	TTL Pulse	TTL Pulse	TTL Pulse
C MOS out	NA	NA	NA
VCG Input	NA	NA	NA
Output DC Offset	0- +/-5V (Open Circuit)	0- +/-5V (Open Circuit)	0- +/-5V (Open Circuit)
Pulse Duty Cycle	0- $\pm 2.5$ V into 50 ohm	0- $\pm 2.5$ V into 50 ohm	0- $\pm 2.5$ V into 50 ohm
Pulse/Ramp	15% to 85% Variable Approximately.1/10 of normal at same setting	15% to 85% Variable Approximately.1/10 of normal at same setting	15% to 85% Variable Approximately.1/10 of normal at same setting
5 Watt Amplifier	NA	NA	NA
All Information On Dotmatrix Display	16 x 2 LCD	16 x 2 LCD	4 Digit / 5 digit
3 Digit Amplitude Display	Yes	Yes	Yes
AM / FM	Yes	Yes	Yes
Internal Sweep	NA	NA	NA
Mains Voltage AC 50Hz	230V $\pm 10\%$ Optional 110V	230V $\pm 10\%$ Optional 110V	230V $\pm 10\%$ Optional 110V
Dimensions	285.00 mm(Width)X75.00 mm(Height)X230.00 mm(Depth)		
Weight	2.80kg		

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel & excluding legs



## 1/2/3MHz Sweep Waveform generator with 8 Digit Frequency Counter



MODEL-FGS- 2M8D

### Technical Specifications

<b>Frequency Range</b>	0.02Hz - 2MHz	0.03Hz - 3MHz
<b>Waveforms</b>	Sine, Square, Triangle	Sine, Square, Triangle
<b>Accuracy</b>	±1% plus 1 Digit	±1% plus 1 Digit
<b>Maximum Output Level</b>	20V pp & 10V pp into 50Ω	20V pp & 10V pp into 50Ω
<b>Attenuator</b>	0-60dB in 2 steps	0-60dB in 2 steps
<b>Sine Wave Distortion</b>	<1% typical <100KHz; 3% > 100KHz	<1% typical <100KHz; 3% > 100KHz
<b>Square Wave Rise/Fall</b>	< 70 nsec	< 70 nsec
<b>Sync Output</b>	TTL Pulse	TTL Pulse
<b>C MOS out</b>	Yes	Yes
<b>VCG Input</b>	0-2 VDC	0-2 VDC
<b>Output DC Offset</b>	0- +/-5V (Open Circuit)	0- +/-5V (Open Circuit)
<b>Pulse Duty Cycle</b>	0- ±2.5 V into 50 ohm	0- ±2.5 V into 50 ohm
<b>Pulse/Ramp</b>	15% to 85% Variable Approximately.1/10 of normal at same setting	15% to 85% Variable Approximately.1/10 of normal at same setting
<b>5 Watt Amplifier</b>	NA	NA
<b>50MHz Counter</b>	8 Digit LED	8 Digit LED
<b>Amplitude Display</b>	3 Digit LED Selectable	3 Digit LED Selectable
<b>AM / FM</b>	Yes	Yes
<b>Internal Sweep</b>	Yes	Yes
<b>Mains Voltage AC 50Hz</b>	230V±10% Optional 110V	230V±10% Optional 110V
<b>Dimensions</b>	275.00 mm(Width)X95.00 mm(Height)X305.00 mm(Depth)	
<b>Weight</b>	3.20Kg (Approximate)	

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs



**Non-Inductive Resistance Boxes**



MODEL- DRB-A3-5



MODEL- DRB-2-6

**Technical Specifications**

Resistance Range	0.1 Ω to 111.11111MΩ
Resistance	Non-Inductive
Accuracy	<10Ω ±2%, 10Ω 1MΩ±1% & >1MΩ±5%
Range selection	By rotary switches
Maximum Power	20 Watt max. per Decade
Residual resistance	<125mΩ

Decades	Weight	Dimension in cm			Weight	Dimension in cm		
		L	W	H		"A" Series	L	W
"S" Series								
1	0.50Kg	105	82	90	0.40Kg	130	90	95
2	0.60Kg	155	82	90	0.55Kg	180	90	95
3	0.80Kg	200	82	90	0.65Kg	225	90	95
4	1.00Kg	245	82	90	0.80Kg	270	90	95
5	1.20Kg	290	82	90	0.95Kg	315	90	95
6	1.40Kg	335	82	90	1.10Kg	360	90	95
7	1.60Kg	380	82	90	1.25Kg	405	90	95

Decade Resistance Box	Initial Range	No. of Decades	Steps by	Range	Model
Decade Resistance Box	0.1Ω = 1	1	0.1Ω	0.1Ω to 1Ω	DRB - 1 - 1
Decade Resistance Box	1Ω = 2	2	0.1Ω	0.1Ω to 11Ω	DRB - 1 - 2
Decade Resistance Box	10Ω = 3	3	0.1Ω	0.1Ω to 111Ω	DRB - 1 - 3
Decade Resistance Box	100Ω = 4	4	0.1Ω	0.1Ω to 1111Ω	DRB - 1 - 4
Decade Resistance Box	1kΩ = 5	5	0.1Ω	0.1Ω to 11111Ω	DRB - 1 - 5
Decade Resistance Box	10kΩ = 6	6	0.1Ω	0.1Ω to 111111Ω	DRB - 1 - 6
Decade Resistance Box	100kΩ = 7	7	0.1Ω	0.1Ω to 1111111Ω	DRB - 1 - 7
Decade Resistance Box	1MΩ = 8	8	0.1Ω	0.1Ω to 11111111Ω	DRB - 1 - 8
Decade Resistance Box	10MΩ = 9	9	0.1Ω	0.1Ω to 111111111Ω	DRB - 1 - 9

Resistance from 1Ω to 10kΩ of 4 Decades by step of 1Ω = DRB - 2 - 4

"A" Series : Decade Box with Aluminium extrusion body Anodised/ Power coated, plastic side covers which are embossed with handles and provided Individual outputs on front panel to select a specified resistance range which reduces residual resistance.

All Resistors are Non- Inductive up to 3 watts  
5Watt Non- Inductive Resistance are available on request  
Inductive Resistors of Higher watts on Request  
General Tolerance : ±2% & ±0.1% /1% & 5% on request  
Output termination on Insulated Binding post and Outputs Termination on European Socket (Safety socket) on request

"S" Series : Decade Boxes with Metal Body Powder coated

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs



Capacitance Boxes



MODEL- DCB-A-2-4



MODEL- DCB-1-6

Technical Specifications

Capacitance Range	10pF to 111.1111μF
Capacitance	Bipolar Metalised Polyester
Accuracy	<100nF ±5% and >100nF ±2%
Range selection	By rotary switches
Maximum Voltage	500 Volt
Residual resistance	<150pF

Decades	Weight	Dimension in cm			Weight	Dimension in cm		
		L	W	H		'A' Series	L	W
1	0.50kg	105	82	90	0.40kg	130	90	95
2	0.60kg	155	82	90	0.55kg	180	90	95
3	0.80kg	200	82	90	0.65kg	225	90	95
4	1.00kg	245	82	90	0.80kg	270	90	95
5	1.20kg	290	82	90	1.00kg	315	90	95
6	1.50kg	335	82	90	1.30kg	360	90	95
7	2.00kg	380	82	90	1.50kg	405	90	95

Decade Capacitance Box	Initial Range	No. of Decades	Steps by	Range	Model
Decade Capacitance Box	10pF = 1	1	10pF	10pF to 100pF	DCB - 1 - 1
Decade Capacitance Box	100pF = 2	2	10pF	10pF to 1.1nF	DCB - 1 - 2
Decade Capacitance Box	1nF = 3	3	10pF	10pF to 11.1nF	DCB - 1 - 3
Decade Capacitance Box	10nF = 4	4	10pF	10pF to 111.1nF	DCB - 1 - 4
Decade Capacitance Box	100nF = 5	5	10pF	10pF to 1.1111μF	DCB - 1 - 5
Decade Capacitance Box	1μF = 6	6	10pF	10pF to 11.1111μF	DCB - 1 - 6
Decade Capacitance Box	10μF = 7	7	10pF	10pF to 111.1111μF	DCB - 1 - 7

Resistance from 100pF to 1μF of 4 Decades by step of 100pF = DCB - 2 - 4

“A” Series : Decade Box with Aluminium extrusion body Anodised/ Power coated, plastic side covers which are embossed with handles

“S” Series : Decade Boxes with Metal Body Powder coated

All Capacitors are Bi- polar Metalised Polyester of 250Volt 600Volt capacitors are available on request Electrolytic capacitors are available on Request General Tolerance : ±2% & ±0.1% /1% & 5% on request Output termination on Insulated Binding post and Outputs Termination on European Socket (Safety socket) on request

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs





**Ferrite Pot core wound Inductance Boxes**



MODEL- DIB-A2-4



MODEL- DIB-1-6

Technical Specifications		Decades			Weight			Dimension in cm				
					'S' Series	L	W	H	'A' Series	L	W	H
Inductance Range	10 $\mu$ H to 11.1111H	1	2	3	0.50kg	105	82	90	0.40kg	130	90	95
Inductance	Pot Core Wound	4	5	6	0.60kg	155	82	90	0.55kg	180	90	95
Accuracy	<10mH $\pm$ 5% and >100mH $\pm$ 2%	7			0.80kg	200	82	90	0.65kg	225	90	95
Range selection	By rotary switches				1.00kg	245	82	90	0.80kg	270	90	95
Maximum Current	200 mA				1.20kg	290	82	90	1.00kg	315	90	95
Residual Inductance	<100 $\mu$ H				1.50kg	335	82	90	1.30kg	360	90	95
					2.00kg	380	82	90	1.50kg	405	90	95

Decade Inductance Box	Initial Range	No. of Decades	Steps by	Range	Model
Decade Inductance Box	10 $\mu$ H = 1	1	10 $\mu$ H	10 $\mu$ H to 100 $\mu$ H	DIB - 1 - 1
Decade Inductance Box	100 $\mu$ H = 2	2	10 $\mu$ H	10 $\mu$ H to 1.1mH	DIB - 1 - 2
Decade Inductance Box	1mH = 3	3	10 $\mu$ H	10 $\mu$ H to 11.1mH	DIB - 1 - 3
Decade Inductance Box	10mH = 4	4	10 $\mu$ H	10 $\mu$ H to 111.1mH	DIB - 1 - 4
Decade Inductance Box	100mH = 5	5	10 $\mu$ H	10 $\mu$ H to 1.1111H	DIB - 1 - 5
Decade Inductance Box	1H = 6	6	10 $\mu$ H	10 $\mu$ H to 11.1111H	DIB - 1 - 6

**Resistance from 100pF to 1 $\mu$ F of 4 Decades by step of 100pF = DCB - 2 - 4**

"A" Series : Decade Box with Aluminium extrusion body Anodised/ Power coated, plastic side covers which are embossed with handles and provided Individual outputs on front panel to select a specified resistance range which reduces residual resistance.

All Inductors are of Ferrite Pot Core wound

General Tolerance :  $\pm$ 2% &  $\pm$ 0.1% /1% & 5% on request  
Output termination on Insulated Binding post and Outputs Termination on European Socket (Safety socket) on request

"S" Series : Decade Boxes with Metal Body Powder coated

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel & excluding legs



### Dual Digital Desk Meter



#### Technical Specifications

Description	Voltage	Current
Ranges	2V, 20V & 200V	0.2A, 2A & 20A
Volt/Ampere/Power	200mA max.	250 Volt max.
Range Selection by	Rotary Switch	Rotary Switch
Maximum Power	4000Watts	
Dimensions in mm (L X W X H)	280 X 90 X 95	
Weight (kg)	2.5	

#### Description

This portable and compact instrument is for precise measurement of voltage and current. Range switch is provided for precise readings in low voltage & current ranges.

#### Working

Connect any power supply(maximum 200VDC @20Amps) to the **POWER IN** terminals and connect load at **POWER OUT** terminals.

Read the readings of voltage & current drawing by the load and the multiplication value will be the **POWER** consuming by the load.

Works @ 230VAC single phase.

### AC DC Analogue Meter



#### Technical Specifications

Description	Current
Ranges Full scale readings of	0.05A, 0.5A & 5A
AC/DC Selection by	Push to ON/OFF
Range Selection by	4mm Sockets
Dimensions in mm (L X W X H)	180 X 90 X 95
Weight (kg)	1.5

#### Description

A compact portable instrument for precise measurement of current up to 5 Ampere. Selector switch is provided for AC & DC measurement. Range terminals are provided for precise current measuring at lower ranges.

#### Working

First connect the load series to the higher range(5A) terminal and then low down the ranges(5mA, 500mA) to get correct and precise readings on the analogue meter.

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs



2 Amps to 60 Amps  
Safety Plugs & Sockets



2 Amps to 60 Amps  
Panel mounting Insulated Terminals



9mm to 60mm  
Knobs, Dials & Accessories



2mm / 4mm wireable / moulded  
Test Probes & Patch cords



RG-58/ RG-59 type  
cabels for BNC to BNC



RG-58/ RG-59 type  
BNC to Alligator clips



2mm & 4mm  
Banana Sockets



2mm & 4mm  
Banana Plugs

*Note: Sai Systems reserves the right to specifications and are subject to change without notice. All dimensions are behind the panel 4 excluding legs*