



PROGRAMMABLE POWER SUPPLY



MODEL: PPS3302A

Specification:

Output Voltage Setting

Resolution 40mV
Accuracy $\pm 0.3\% \pm 0.12\%$

Output Voltage Reading

Resolution 40mV
Accuracy $\pm 0.3\% \pm 0.12\%$

Output Current Setting

Resolution 10mA
Accuracy $\pm 0.5\% \pm 0.5\%$

Output Current Reading

Resolution 10mA
Accuracy $\pm 0.5\% \pm 0.5\%$

Output ON/OFF Control

Dedicated 'ON' and 'OFF' keys

Output Ripple

< 1mVrms in Constant Voltage
< 4mArms in Constant Current

Line Regulation

< $\pm 0.01\% \pm 0.01\%$

Load Regulation

< $\pm 0.05\% \pm 0.05\%$

Setting Method

Input Keypad for Direct Entry
Scroll Knob for Continuous Variation
Multiplication Selection of Cursor

16 keys 0-9, ., V, A, m, Esc, Enter
Endless rotation for increment or decrement of any digit;
Left, Up, Right & Down Keys for selection of cursor to any position;

Computer Interface

RS232C or USB

Control and Measurements
Through Computer

- Any value of voltage and current can be set
- ON and OFF control
- Output status: CV or CC, ON/OFF
- Display of actual output voltage, current, power and load
- Graphical display of the operating point on the I-V graph
- 10 programmable testing sequence inclusive of step and ramp option for any combination of voltage, current and time, can be stored/recalled.

Front Panel LCD Display

Front Panel LED Indicator
Maximum Power Output 66 Watt
Input Power 230V $\pm 10\%$, 50-60 Hz AC
Operating Temperature 0° - 40°C
Dimension W x H x D 300 x 120 x 235mm
Weight 5 kg
Warranty 2Years

Model Available

PPS3305A, 33V/2A
PPS3305A, 33V/5A
PPS6602A, 66V/2A
PPS6605A, 66V/5A



PROGRAMMABLE POWER SUPPLY

Comparison between conventional Power Supply and 'Synchro' Programmable Power Supply without Computer Based Operation

'Synchro' Programmable Power Supply

- Direct setting of Voltage and Current are possible through direct keypad entry
- Setting of Current or Voltage are possible in all active mode
- The set value of the Voltage and Current are displayed on the panel
- Setting of the Voltage and Current through the finer control is possible throughout the entire range
- Output is OFF at the time of power ON condition with null Voltage and minimum Current setting; always Safe

Conventional Power Supply

- Direct setting of Voltage and Current are not possible through direct keypad entry
- Setting of Current in CV mode or Voltage in CC mode are not possible
- The set value of the Voltage and Current are not available on the panel
- Setting of the Voltage and Current through the finer control is not possible for the entire range
- Output is on at the power ON condition, some time undesired/unsafe when the load is previously Connected and Voltage/Current settings are higher

Comparison between conventional Power Supply and 'Synchro' Programmable Power Supply with Computer Based Operation

- Direct setting of voltage/ or current are possible
- True value at the output voltage or current are available on the screen
- True value at the output power is available on the screen
- The set value of the voltage and current are always available on the screen
- True position of output load is graphically visible on power area curve
- Ten pre-programmed voltage and current profile can be set from computer
- The ten sequence of operation can be triggered individually or can be operated with the user defined time intervals
- The voltage and current sequence can be programmed as step or ramp function
- The output ON/OFF control is possible from the computer and its status is visible on the screen during remote control, the in built keypad and scroll knob can be disabled to make the operation tamper proof
- The interface is isolated through optical coupling to allow the power supply output to float at any potential up to 750VAC.

Contact:



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