

Product Description

From RS PRO, comes a range of high quality and cutting edge multiple output programmable linear DC power supplies with LCD display screen. These DC Power supplies are controlled by a microprocessor unit (MPU), which can be connected via an in-built RS-232 communication interface to a personal computer. The large 192 x 128 LCD screen displays all outputs simultaneously to simplify operation.

General Specifications

Type	Digital
Mode	Series/parallel
Number of Displays	1
Input Connector	IEC320
Output Connector	Binding Post terminal
Number of Outputs	3
Accuracy	Voltage: $\leq 0.05\% + 20\text{mV}$ / Current: $\leq 0.1\% + 5\text{mA}$
Temperature Coefficient	Voltage: $\leq 100\text{ppm} + 3\text{mV}$ / Current: $\leq 100\text{ppm} + 3\text{mA}$
Read Back Accuracy	$< 0.05\% + 10\text{mV} (+20\text{mV}, \text{rating voltage } > 36\text{V}) < 0.1\% + 5\text{mA} (+10\text{mA}, \text{rating current } > 3.0\text{A})$
Read Back Temp. Coefficient	Voltage: $\leq 100\text{ppm} + 10\text{mV}$ / Current: $\leq 100\text{ppm} + 10\text{mA}$
Recovery or Reaction Time	Voltage up : $\leq 100\text{mS}$ / Voltage down: $\leq 100\text{mS} (\geq 10\% \text{ rating load})$
Resolution	Voltage: 10 mV / Current: 1 mA
Memory Save/Recall	100sets
Protection	OVP, OCP and OTP
Interface	GPIB, RS-232C
Application	Laboratories and educational facilities, Service operation and post-sales support, Product testing and quality assurance, Product development and debugging

Electrical Specifications

Supply Voltage	100VAC to 230VAC
Output Voltage	6V, 32V
Output Current	2A,5A
Power Rating	158W
Load Regulation	Voltage: $\leq 3\text{mV}$ ($\leq 5\text{mV}$ rating current $>3.0\text{A}$) Current: $\leq 3\text{mA}$ ($\leq 5\text{mA}$ rating current $>3.0\text{A}$)
Line Regulation	Voltage: $\leq 3\text{mV}$ / Current: $\leq 3\text{mA}$
Ripple(20hz-20M)	Ripple: $1\text{mVrms}/3\text{mVp-p}$; 3mArms (5mArms , rating current $>3.0\text{A}$)
Tracking Error	$\leq 0.1\% + 20\text{mV}$

Mechanical Specifications

Dimension	230mm x140mm x380mm
Length	380mm
Width	230mm
Height	140mm
Weight	10kg Approx.

Operation Environment Specifications

Minimum Temperature	0°C
Maximum Temperature	40°C
Operation Temperature	0 - 40°C

Approvals

Compliance/Certifications	RoHS certificate of compliance
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ORDERING INFORMATION						
IPS-3202 158W Triple Output Programmable D.C. Power Supply						
Model	Independent	Series	Parallel	Display Type	Weight (kg)	
IPS-3202	(0-32V/0-2A)x2,(0-6V/0-5A)x1	64V/2A	32V/4A	LCD	10	
ACCESSORIES : User manual x 1, Power cord x 1, Test lead: GTL-104A x 3, European test lead: GTL-204A x 3						
OPTION						
Opt.01 GPIB Interface (factory installed)						
OPTIONAL ACCESSORIES						
GRA-407 Rack Mounting(19",4U)		GTL-232 RS-232C Cable, 9-pin Female to 9-pin, null Modem for Computer				
GTL-251 GPIB-USB-HS(High Speed)		GTL-248 GPIB Cable, Double Shielded, 2000mm				
FREE DOWNLOAD						
PC Software		PC Software including Data Log ; Remote Control Software				
Driver		LabView Driver				

European Type Jack Terminal



Rear Panel

