

Datasheet

Multiple Output Programmable Linear D.C. Power Supply

Stock No. : Model :
123-3572 **IPS-3202**



FEATURES

- Digitized Programmable Interface
- High Resolution 10mV, 1mA
- 192 x 128 LCD Display, Simultaneously Shows Settings and Measuring Result
- Over-Voltage, Over-Current, Over Temperature Protection
- Intelligent Fan Control (Changes by Output Power)
- 100 Sets Memory
- Auto Step Running With Timer Setting
- Auto Series and Parallel Function
- LabVIEW Driver
- Standard Interface : RS-232C
- Optional Interface : GPIB (IEEE-488.2)
- Optional European Jack Type Terminal



IPS-3202 is 3-channel, 158W, programmable linear DC power supplies. High resolution is maintained at 10mV, 1mA (3A). OVP, OCP, and OTP protect the IPS-3202 and its loads from unexpected conditions. IPS-3202 is capable of independent, series or parallel operation for increased flexibility. The large LCD display conveniently displays all outputs and configurations simultaneously to simplify operation. The programmable interface allows automatic stepping, 100 sets of memory and comprehensive timing operations. GPIB and RS232C interfaces, Labview drivers and SCPI compatibility allow easy ATE software development and remote control. The versatile IPS-3202 is ideal for high resolution, multiple output, automated operations such as production testing and rack mounting systems.

European Type Jack Terminal



Rear Panel



SPECIFICATIONS	
OUTPUT	
Voltage	0~32Vx2, 0~6Vx1
Current	0~2Ax2, 0~5Ax1
OVP	0~33Vx2, 0~7Vx1
LOAD REGULATION	
Voltage	≤ 3mV (≤ 5mV rating current >3.0A)
Current	≤ 3mA (≤ 5mA rating current >3.0A)
LINE REGULATION	
Voltage	≤ 3mV
Current	≤ 3mA
RESOLUTION	
Voltage	10mV
Current	1mA (2mA, rating current >3.0A)
OVP	10mV
PROGRAM ACCURACY(25 ± 5 °C)	
Voltage	≤ 0.05%+20mV
Current	≤ 0.1%+5mA (+10mA, rating current>3.0A)
OVP	≤ 0.05%+20mV
RIPPLE & NOISE(20Hz~20MHz)	
Voltage	Ripple: ≤ 1mVrms/3mVp-p ; Noise: ≤ 2mVrms/30mVp-p
Current	≤ 3mArms (≤ 5mArms, rating current >3.0A)
TEMPERATURE COEFFICIENT (0 ~ 40 °C)	
Voltage	≤ 100ppm+3mV
Current	≤ 100ppm+3mA
READBACK RESOLUTION	
Voltage	10mV(20mV, rating voltage >36V)
Current	1mA(2mA, rating current >3.0A)
READBACK ACCURACY(25 ± 5 °C)	
Voltage	≤ 0.05%+10mV(+20mV, rating voltage >36V)
Current	≤ 0.1%+5mA(+10mA, rating current>3.0A)
READBACK TEMPERATURE COEFFICIENT	
Voltage	≤ 100ppm+10mV(+20mV, rating voltage >36V)
Current	≤ 150ppm+10mA(+20mA, rating current >3.0A)
RESPONSE TIME	
Voltage Up (10%~90%)	≤ 100mS
Voltage Down (90%~10%)	≤ 100mS (≥ 10% rating load)
DRIFT	
Voltage	≤ 100ppm+10mV(+20mV, rating voltage >36V)
Current	≤ 150ppm+10mA
TRACK OPERATION	
Tracking Error	≤ 0.1%+20mV
Series(Load Effect)	≤ 20mV
PARALLEL OPERATION	
Program Accuracy(25±5 °C)	Voltage ≤ 0.05%+20mV, Current ≤ 0.1%+10mA, OVP ≤ 0.05%+20mV
Load Effect	Voltage ≤ 3mV(≤ 5mV, rating current>3.0A); Current ≤ 6mA
Source Effect	Voltage ≤ 3mV; Current ≤ 6mA
MEMORY	
Store/Recall	100 Sets
TIMER	
Setting Time	0.1 second~99 Minutes 59 second (Max. 99 Minutes 59 second x 100)
Resolution	0.1 second
Function	Auto step running (for output working loop)
INTERFACE	
Standard : RS-232C ; Option: GPIB (IEEE488.2)	
POWER SOURCE	
AC 100V/120V/220V ± 10%, 230V(+10%/-6%), 50/60Hz	
DIMENSIONS & WEIGHT	
230(W) x 140(H) x 380(D) mm , Approx.10kg	

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 Driver	PC Software including Data Log ; Remote Control Software LabView Driver				



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