

HiRange Series....the World Compact, Accurate, 1U, Programmable DC Power Supplies for Instrumentation and System Integration

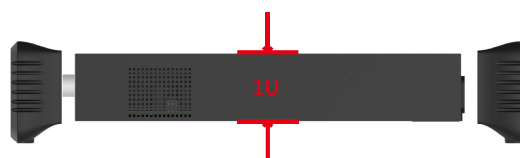
Description:

HiRange Series is the scroll wheel version of C3V and features of very wide ranges output to 60V and 10A. It consists of both a constant current and constant voltage sources for a high quality DC power supply. Technically speaking, it incorporates 1U mechanism, high efficiency power conversion, linear regulator, accurate measurement, full programmability and diverse communication interfaces. Commercially speaking, it integrates all the advantages for both the instrument and industry DC power supplies in the market. The high efficiency conversion implements the 1U low profile while the linear regulation and the accurate measure make it suitable for the laboratory uses. The programmability and communication ability are essential to automatic control and data acquisition purpose.



Features:

- Accurate 4-digit measure with voltage tolerance $< 0.05\%$.
- Compact 1U design and light weight.
- Higher ranges to 60V and 10A output.
- Linear regulator for clean DC output.
- Optional RS232, USB and RS485 interfaces.
- Panel calibration system available.
- Perfect for industry automation & remote control.
- Portable, stand-alone, and in-system versatilities.
- Power factor nearly 0.99.



MEASUREMENT	
Panel setting resolution	
Voltage, mV	20mV
Current, mA	5mA
Programming resolution	
Voltage, mV	20mV
Current, mA	5mA
Programming accuracy	
Voltage, %	0.05 % + 7 cnt
Current, %	0.2% + 10 cnt
Measurement resolution	
Voltage, mV	20mV
Current, mA	5mA
Measurement accuracy	
Voltage %	0.05 % + 7 cnt
Current %	0.2% + 10 cnt
Temperature coefficient	
Voltage %/°C	0.001%/°C
Current %/°C	0.005%/°C
PROTECTIONS	
OVP	yes
OCP	yes
OTP	yes

COMMUNICATION

Interface: only 1 option

RS232

DB9

RS485

terminal block

USB

type-B

Protocol

Data rate, B/s

57600/N/8/1

NORMS

EMC EMISSION

EN61000-3-2,-3

EMC IMMUNITY

EN61000-4-2,3,4,5,6,8,1

SAFETY\FET

EN60950-1

ENVIRONMENT

Operating temp. °C

0°C~50 °C

R. humidity, no condensed, %

20%~85%

Storage temp. °C

-20°C~70 °C

R. humidity, no condensed, %

<90%

PHYSICAL

Dimensions mm cubic

W*D*H = 100mm*250mm*40mm(<1U)

Weight, kg

1.3kg

*1: From output terminals, running a 25cm twisted wire pair terminated with a 0.1uf CC & 10uF EC. Observe voltage across the capacitors under 20 MHz BW at full resistive load.



®

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Eof.