

## VOLTCRAFT - TOP PERFORMANCE IN EVERY WAY

For more than 40 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success.

## DLP-3603 Laboratory power supply



Item no: 2619141

The power supply is used as a potential-free DC mains supply to operate low-voltage devices. It is connected via 4 mm safety sockets. The output voltage and current can be adjusted. The DC output is electrically isolated and features protective isolation towards the mains voltage.



## FEATURES

Colour LCD display // Three independently controllable channels //  
 Max. output resolution : 1mV / 1mA // Low ripple/noise // Up to 100 group timers //  
 Multi working mode: individual, parallel, and series // Over voltage/Over current protection //  
 Data logging function // Auto-cooling system // Multi-CI: USB, RS232, and LAN //  
 SCPI and LabVIEW support

## TECHNICAL DATA

Specifications		CH1 / CH2	CH3
Output Ratings (0 to +40 °C)	Voltage	0 - 60 V	0 – 6 V
	Over Voltage Protection	61 V	6.6 V
	Current	0 - 3 A	0 - 3 A
	Over Current Protection	3.1 A	3.1 A
	Power	180 W	18 W
Load Regulation	Voltage	≤0.01 % + 3 mV	≤0.01 % + 3 mV
	Current	≤0.01 % + 3 mA	≤0.01 % + 3 mA
Line Regulation	Voltage	≤0.01 % + 3 mV	≤0.01 % + 3 mV
	Current	≤0.01 % + 3 mA	≤0.01 % + 3 mA
Setting Resolution	Voltage	1 mV	1 mV
	Current	1 mA	1 mA
Readback Resolution	Voltage	1 mV	1 mV
	Current	1 mA	1 mA
Settings Accuracy (within 12 months) (25 °C ±5 °C)	Voltage	≤0.03 % + 10 mV	≤0.03 % + 10 mV
	Current	≤0.1 % + 8 mA	≤0.1 % + 5 mA
Readback Accuracy (25 °C ± 5 °C)	Voltage	≤0.03 % + 10 mV	≤0.03 % + 10 mV
	Current	≤0.1 % + 8 mA	≤0.1 % + 5 mA
Ripple and Noise (20 Hz – 20 MHz)	Voltage (Vp-p)	≤4 mVp-p	≤3 mVp-p
	Voltage (rms)	≤1 mVrms	≤1 mVrms
	Current (rms)	≤5 mArms	≤4 mArms
Output Temperature Coefficient (0 to +40 °C)	Voltage	≤0.03 % + 10 mV	≤0.03 % + 10 mV
	Current	≤0.1 % + 5 mA	≤0.1 % + 5 mA
Readback Temperature Coefficient	Voltage	≤0.03 % + 10 mV	≤0.03 % + 10 mV
	Current	≤0.1 % + 5 mA	≤0.1 % + 5 mA
Parallel Settings Accuracy	Voltage	≤0.02 % + 5 mV	≤0.02 % + 5 mV
	Current	≤0.1 % + 30 mA	≤0.1 % + 30 mA
Programmable output	Storage	1M points	
	Groups saved in internal memory	100 groups	
	Time setting	Second	
Data Record Function	10k groups of data (voltage, current)		
Ports	USB Host, USB Device, RS232, LAN, supports USB TMC protocol		

### Display

Item	Value
Display type	10 cm (4") colour LCD
Resolution	480 x 320 pixels
Colour	65536 colour, TFT

### Power

Item	Value
Power voltage	220 – 240 V/AC; 50/60 Hz
Fuse	220 V (250 V, F5A)

## Environment

Item	Value
Working Temperature	0 to +40 °C
Storage Temperature	-20 to +60 °C
Relative humidity	≤90 %
Altitude	3,000 m (operating) 15,000 m (not operating)
Cooling	Fan cooling

## Others

Item	Value
Dimensions (L x W x H)	250 x 158 x 358 mm
Weight	approx. 12 kg

## CONTENTS

Power supply // Mains cable // USB cable // Fuse // CD ROM // Safety instructions // Operating instructions

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