

ODP3031 Programmable DC Power Supply



- + ODP3031 : one controllable channel
- + Max output resolution : 1mV / 1mA
- + Low ripples / low noise : <300 μ Vrms / 2 mVpp
- + Up to 100 group timers
- + Up to 10 group preset system configurations
- + Over-voltage / Over-current protection
- + Auto-cooling system
- + 3.9 inch high resolution (480 $\times$ 320 pixels) LCD
- + Multiple communication interface : USB, and RS232
- + SCPI, and LabVIEW supported

+ Display

Model	ODP3031
Display Type	3.9 inch colored LCD
Display Resolution	480 $\times$ 320 pixels
Display Color	65536 colors

+ Mechanical Specifications

Model	ODP3031
Dimension (W $\times$ H $\times$ D)	250 $\times$ 158 $\times$ 358 (mm)
Device Weight	7.00 kg

+ Performance Specifications

The specifications based upon the instrument having run for at least 30 minutes continuously, under the specified operating environment

Model		ODP3031	
Channel		1	Fixed 3.3V / 5V
DC Output Rating	Voltage	0 - 30V	3.3V / 5V
	Current	0 - 3A	3A
Line Regulation	CV	≤0.01%+3mV	≤3mV
	CC	≤0.1%+3mA	/
Load Regulation	CV	≤0.01%+3mV	≤0.1% + 3mV
	CC	≤0.2%+3mA	/
Noise and Ripple (20Hz ~ 7MHz)	CV	≤300μVrms/2mVpp	
	CC	≤3mArms	/
Settings Resolution	Voltage	1mV	/
	Current	1mA	/
Settings Accuracy (25°C±5°C)	Voltage	≤0.05%+3mV	/
	Current	≤0.1%+3mA	/
Read Back Resolution	Voltage	1mV (< 10V), 10mV (≥10V)	/
	Current	1mA	/
Read Back Accuracy (25°C±5°C)	Voltage	≤0.05%+3 digit	/
	Current	≤0.1%+3 digit	/
Communication Interface		USB Host, USB Device and RS232	

Specifications subject to change without prior notice.

+ Application

general detection in R&D laboratory

QC test

industrial automation test

automobile and electronic circuit test power-supplying

education / teaching experimentation

electronic components test, aging test

to monitor the real-time status of power system via remote control

to monitor battery charging curve

+ Accessories The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB



Fuse