

# ODP3031 1-CH Output with 5V/3.3V Fixed Programmable DC Power Supply



- + ODP3031 : one controllable channel
- + Max output resolution : 1mV / 1mA
- + Low ripples / low noise : <300  $\mu$ 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 × 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 × 320 pixels
Display Color	65536 colors

## + Mechanical Specifications

Model	ODP3031
Dimension (W×H×D)	250 × 158 × 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	$\leq 0.01\% + 3\text{mV}$	$\leq 3\text{mV}$
	CC	$\leq 0.1\% + 3\text{mA}$	/
Load Regulation	CV	$\leq 0.01\% + 3\text{mV}$	$\leq 0.1\% + 3\text{mV}$
	CC	$\leq 0.2\% + 3\text{mA}$	/
Noise and Ripple (20Hz ~ 7MHz)	CV	$\leq 300\mu\text{Vrms}/2\text{mVpp}$	
	CC	$\leq 3\text{mArms}$	/
Settings Resolution	Voltage	1mV	/
	Current	1mA	/
Settings Accuracy (25°C ± 5°C)	Voltage	$\leq 0.05\% + 3\text{mV}$	/
	Current	$\leq 0.1\% + 3\text{mA}$	/
Read Back Resolution	Voltage	1mV (< 10V), 10mV ( $\geq 10\text{V}$ )	/
	Current	1mA	/
Read Back Accuracy (25°C ± 5°C)	Voltage	$\leq 0.05\% + 3$ digit	/
	Current	$\leq 0.1\% + 3$ 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

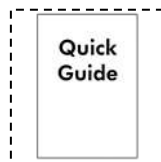
The accessories subject to final delivery.



Power Cord



CD Rom



Quick Guide



USB



Fuse