ODP Series Triple Output
Linear Programmable DC Power Supply
User Manual

■ ODP3033

■ ODP3063

■ ODP6033

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6. Technical Specifications

The specifications below are based on the instrument having run for at least 30 minutes continuously under the specified operating temperature.

Specifications			CH1	CH2	CH3
Output Ratings (0℃-40℃)	ODP3033	Voltage	0-30V		0-6V
		Over Voltage Protection	31V		7V
		Current	0-3A		0-3A
		Over Current Protection	3.1A		3.1A
		Power	90W		18W
	ODP3063	Voltage	0-30V		0-6V
		Over Voltage Protection	31V		7V
		Current	0-6A		0-3A
		Over Current Protection	6.1A		3.1A
		Power	180W		18W
	ODP6033	Voltage	0-60V		0-6V
		Over Voltage Protection	61V		7V
		Current	0-3A		0-3A
		Over Current Protection	3.1A		3.1A
		Power	180W		18W
Load Regulation		Voltage	≤0.01%+3mV		
		Current	≤0.01%+3mA		
Line Regulation		Voltage	≤0.01%+3mV		
		Current	≤0.01%+3mA		
Settings Resolution		Voltage	1mV		
		Current	1mA		
Read Back Resolution		Voltage	1mV		
		Current	1mA		
Settings Accuracy (Within 12 months) (25℃±5℃)		Voltage	≤0.03%+10mV		
		Current	≤0.1%+8mA		≤0.1%+5mA
Read Back Accuracy (25℃±5℃)		Voltage	≤0.03%+10mV		
		Current	≤0.1%+8mA		≤0.1%+5mA
Noise and Ripple (20Hz-20MHz)		Voltage (Vp-p)	≤4mVp-p		≤3mVp-p
		Voltage (rms)	≤1mVrms		
		Current (rms)	≤5mArms		≤4mArms
Output Temperature		Voltage	≤0.03%+10mV		

Coefficient (0℃-40℃)	Current	≤0.1%+5mA
Read Back Temperature Coefficient	Voltage	≤0.03%+10mV
	Current	≤0.1%+5mA
Parallel Settings Accuracy	Voltage	≤0.02%+5mV
	Current	≤0.1%+30mA
Programmable output	Storage	1M points
	Groups saved in internal memory	100 groups
	Time setting	Second
Data Record Function	10k groups of data (voltage, current, power)	
Ports	USB Host, USB Device, RS232, LAN, supports USB TMC protocol	

Display

Display Type	4 inch colored LCD (Liquid Crystal Display)
Display Resolution	480 (Horizontal) × 320 (Vertical) Pixels
Display Colors	65536 colors, TFT screen

Power

Supply	110 VAC ± 10% or 220 VAC ± 10%; AC input 50/60Hz		
Fuse	ODP3033	110 V	250 V，F5A
		220 V	250 V，F3A
	ODP3063 ODP6033	110 V	250 V，F10A
		220 V	250 V，F5A

Environment

Temperature	Working temperature: 0℃～40℃ Storage temperature: －20℃～60℃
Relative Humidity	≤ 90%
Height	Operating: 3,000 m Non-operating: 15,000 m
Cooling Method	Fan cooling

Mechanical Specifications

Dimension	250mm × 158mm × 358mm (W*H*D)	
Weight	ODP3033	About 9.8 kg
	ODP3063 ODP6033	About 12.0 kg

Interval Period of Adjustment:

One year is recommended for the calibration interval period.

7. Appendix

7.1 Appendix A: Packaging

(The accessories subject to final delivery.)

Standard Accessories:

Power Cord

CD Rom

User Manual

USB Cable

Fuse

Options:

Banana plug to crocodile clip test leads

7.2 Appendix B: General Care and Cleaning

General Care

Do not store or leave the instrument where the liquid crystal display could be exposed to direct sunlight for long periods of time.

Caution: To avoid any damage to the instrument, do not exposed it to any sprays, liquids, or solvents.

Cleaning

Inspect the instrument as often as operating conditions require.
To clean the instrument exterior, perform the following steps:

1. Wipe the dust from the instrument surface with a soft cloth. Take care not to scratch the transparent LCD protection screen when cleaning.
2. Disconnect power before cleaning your instrument. Clean the instrument with a damp soft cloth (not dripping with water). It is recommended to clean with soft detergent or fresh water. To avoid damage to the instrument, do not use any corrosive chemical cleaning agents.

Warning: Before re applying power, ensure that the instrument is completely dry, avoiding any electric shock or electrical short circuit resulting from moisture.