



EN: This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

Performance Specifications

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

Model		ODP3032		
Channel		Channel 1 / Channel 2		Fixed 5V
DC Output Ratings	Voltage	Independent / Parallel	0~30V	5V
		Series	0~60V	
		Plus-minus	-30V~30V	
	Current	Independent / Series / Plus-minus	0~3A	3A
		Parallel	0~6A	
Line Regulation	CV	≤0.01% + 2mV		≤3mV
	CC	≤0.1% + 1mA		
Load Regulation	CV	≤0.01% + 3mV		≤0.1%+3mV
	CC	≤0.2% + 3mA		
Noise and Ripple (20Hz~7MHz)	CV	≤300 μVrms / 2 mVpp		≤300 μVrms / 2 mVpp
	CC	≤3mArms		
Settings Resolution	Voltage	1mV		None
	Current	1mA		None
Settings Accuracy (25°C±5°C)	Voltage	≤0.05% + 1mV		None
	Current	≤0.1% + 1mA		None
Read Back Resolution	Voltage	1mV (<10V) 10mV (≥10V)		None
	Current	1mA		None
Read Back Accuracy (25°C±5°C)	Voltage	≤0.1% + 3 digit		None
	Current	≤0.1% + 3 digit		None

Mechanical Specifications

Model	ODP3032
Display Screen	3.9 inch colored LCD, TFT screen
Display Resolution	480 (Horizontal) × 320 (Vertical) pixels
Display Color	65536 colors
Dimension	W/H/D 298mm × 202mm × 450mm
Weight	9.80 kg

OWON continues to improve products and reserves the rights to change specifications without advance. For latest ones, please refer to our website

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DP Series
Programmable DC Power Supply

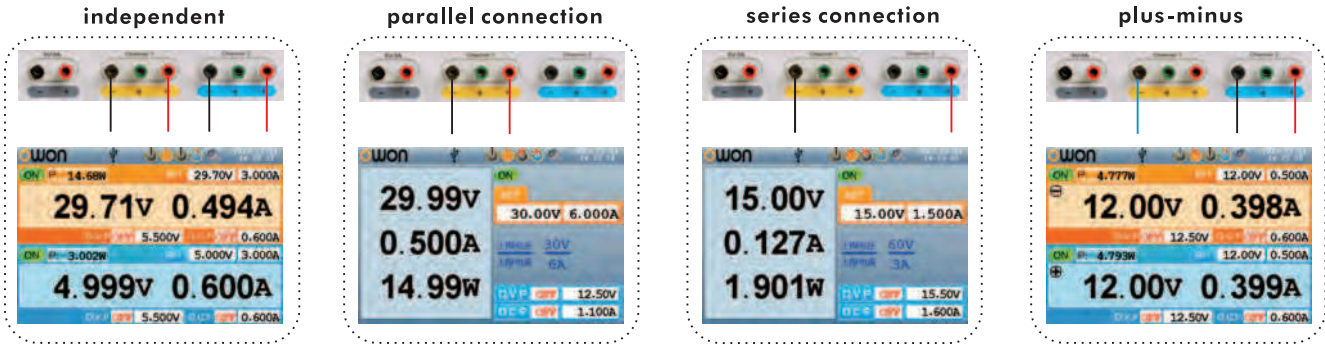


Main Feature

- + Dual independent output with separate control, one fix output supplies up to 195W
- + Highest output resolution : 1mV / 1mA
- + Two controllable channels, with switch for convenient operation
- + Low ripples / low noise : <300μVrms / 2mVpp
- + 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) TFT LCD display
- + Multiple interface : USB 2.0 / RS232

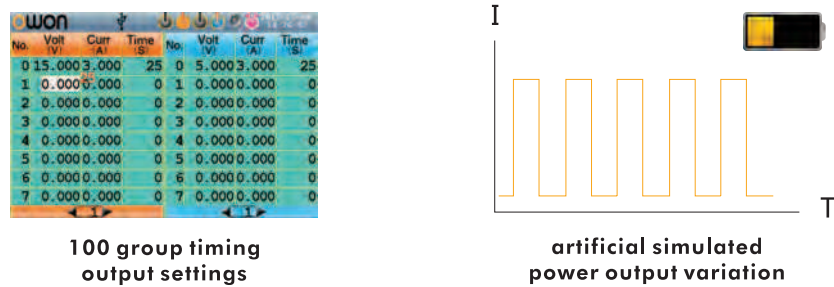
A Independent Dual Channel

OWON ODP series power supply supports independent dual channel output. Users get access to switch among 4 modes : independent, parallel connection, series connection, and plus-minus, no need extra external hopping, so one unit power supply functions as two.



B Timing Output

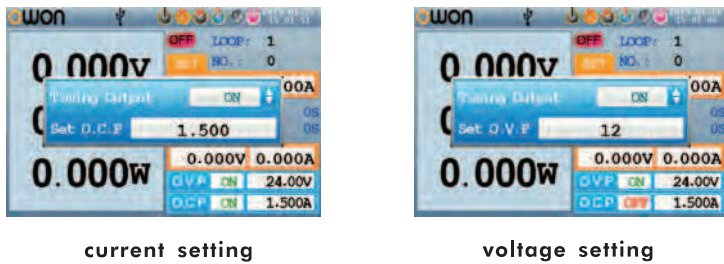
Support 100 group timing output settings, users could adjust the power output curve in the PC or on the Power Supply unit. Applied to artificial simulated power output variation.



C 10 groups Storage Data



D Over Voltage / Over Current Protection



The digital power supply of similar performance accepts 4 group storage data or so, while OWON ODP series is able to accommodate 10 group, which facilitates users choosing preset settings from storage data, saving hand labor.

OWON ODP series power supply equipped with Over Voltage / Over Current Protection (OVP / ODP) function, when operating, users could choose/fix OVP point value, and/or ODP point value via the button key on the front panel. Once power reaches OVP point value (or ODP point value), the power supply system will close the output, and the screen displays fixed OVP (or ODP) point value flickering, accompanying by continual "beep" alarm sound, the alarm sound will not disappear until output (button) shut off by hand triggering.

E CV / CC Auto-switch

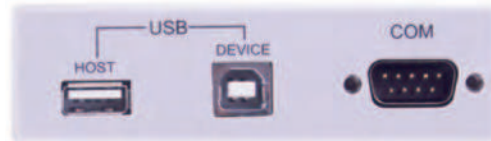
Along with load varies, the power output auto-switches between CV / CC. Give an operation example, in the circumstance you set a voltage of 10V at a current of 1A, when actual current not larger than 1A, the power supply unit works under CV status, the power output alters with load accordingly; whereas when actual current larger than 1A, the power supply unit will limit the current automatically, and switch into CC mode, then the power output alters with load accordingly. CV / CC auto-switch fulfills within power supply unit, no human intervention needed.

DP Series

Programmable DC Power Supply

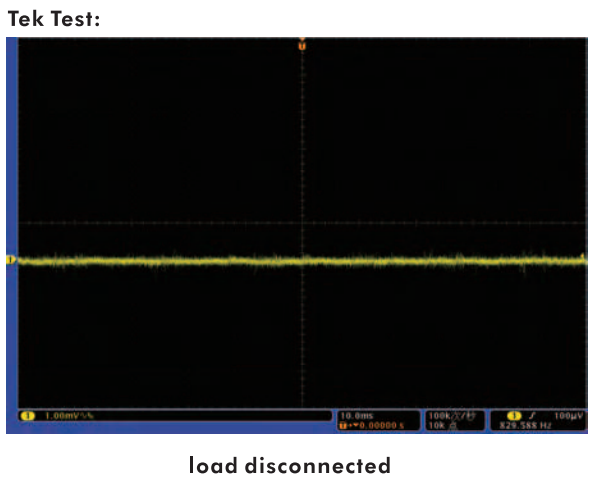
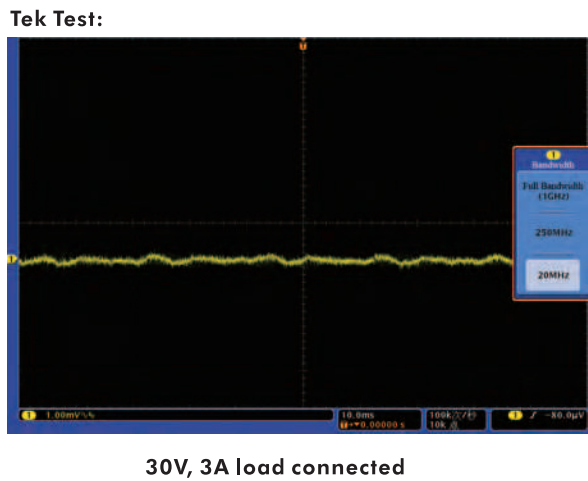
F User-friendly Button Layout

The indicator lamp describes real-time power status, which is totally different from LED color reading CV / CC mode, making users know everything at a simple glance. Standard USB / RS232 port simplifies, and speeds up remote communication.



G Low Ripples / Low Noise

OWON ODP3032 features super- low ripples, and super- low noise, only 300uVrms / 2mVpp, which causes almost no influences to circuit test.



H Application

General detection in R&D laboratory QC test Circuit module / assembly power-supplying
Automobile & electronic circuit test power-supplying Industrial production automation test
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

I Accessories

The accessories subject to final delivery.



Power Cord



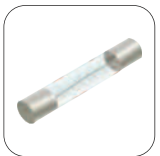
CD-Rom



Manual



USB



Fuse