

# Agilent U8030 Series Triple-Output DC Power Supply

Higher power. Better reliability. Unrivalled performance.

Agilent combined its years of knowledge and expertise to introduce the U8030 series - the only triple-output non-programmable DC power supply in its class with analog front panel programming capability. This automation capability improves test efficiency by allowing you to preset output sequences for margin tests, burn-in tests and other general purpose tasks in an industrial setting. Other essential features include excellent load regulation and clean output noise. With these, you get a reliable triple-output power supply at an unbeatable performance.



## Key features

- Provides total power of 375 W at three outputs
- Analog front panel programming
- Excellent load regulation (CV:  $< 0.01\% + 2 \text{ mV}$ ; CC:  $< 0.02\% + 2 \text{ mA}$ ) ensures stable output
- Provides clean output with  $\leq 1 \text{ mVrms}$  (0.5 mVrms typical) noise
- Fast  $< 50 \mu\text{sec}$  transient response for stable testing
- Dual display shows both voltage and current reading
- Over-voltage and over-current protection

# Quick Fact Sheet

## Agilent U8030 Series Triple-Output DC Power Supply

### Front panel description

Fast and easy program set up: Front panel analog programming with memory save and recall.

LCD display: Allows Dual reading (Voltage and Current) in one display

Essential security features: Over-voltage protection (OVP)/Over-current protection (OCP), keypad lock and physical lock mechanism

Physical lock mechanism as illustrated

Multiple channels that can be individually/simultaneously controlled (ON/OFF)

Tracking feature simplifies simultaneous power voltage sequencing between channel 1 and channel 2

### Key specifications

	U8001A	U8002A	U8031A (New)	U8032A (New)
Number of outputs	1	1	3	3
<b>DC outputs</b>				
Voltage 1	30 V	30 V	30 V	60 V
Current 1	3 A	5 A	6 A	3 A
Voltage 2	-	-	30 V	60 V
Current 2	-	-	6 A	3 A
Voltage 3 (fixed)	-	-	5 V	5 V
Current 3	-	-	3 A	3 A
Power (max)	90 W	150 W	375 W	375 W
Programming accuracy	0.35% + 20 mV	0.35% + 20 mV	0.25% + 15 mV	0.25% + 15 mV
Readback accuracy	0.35% + 20 mV	0.35% + 20 mV	0.25% + 10 mV	0.25% + 10 mV
<b>Load and line regulation</b>				
Voltage	0.01% + 2 mV	0.01% + 2 mV	0.01% + 2 mV	0.01% + 2 mV
Current	0.02% + 2 mA	0.02% + 2 mA	0.02% + 2 mA	0.02% + 2 mA
Ripple and noise (20 Hz to 20 MHz)	< 1 mVrms, 12 mVp-p	< 1 mVrms, 12 mVp-p	< 1 mVrms, 10 mVp-p (< 0.5 mVrms, 5 mVp-p typical)	< 1 mVrms, 10 mVp-p (< 0.5 mVrms, 5 mVp-p typical)
<b>Meter resolution</b>				
Voltage	10 mV	10 mV	10 mV	10 mV
Current	10 mA	10 mA	10 mA	10 mA
Transient response	< 50 μs	< 50 μs	< 50 μs	< 50 μs
Over-voltage and over-current protection	Yes	Yes	Yes	Yes
Warranty	1 year	1 year	1 year	1 year
MSRP	\$ 316	\$ 396	\$ 995	\$ 995

Power supplies come with:

Power cord, Quick Reference Guide, CD ROM (contains User Guide and Service Guide), Certificate of Calibration

### Ordering information

Part	Description
U8031A	Triple-Output DC Power Supply 30 V/6 A (2x) & 5 V/3 A; 375 W
U8031A-ABA	English language user guide, printed
U8031A-ACF	Japan - Japanese user guide, printed
U8031A-UK6	Commercial calibration with test result data
U8031A-1CM	Rackmount Kit - mounts one with blank filler panel included
U8032A	Triple-Output DC Power Supply 60 V/3 A (2x) & 5 V/3 A; 375 W
U8032A-ABA	English language user guide, printed
U8032A-ACF	Japan - Japanese user guide, printed
U8032A-UK6	Commercial calibration with test result data
U8032A-1CM	Rackmount Kit - mounts one with blank filler panel included
E3600A-100	Test lead kit

### Recommended service options

Additional two years of Return-to-Agilent warranty  
 Additional two years of Return-to-Agilent calibrations  
 For more information go to [www.agilent.com/find/removealldoubt](http://www.agilent.com/find/removealldoubt)