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Data Sheet
August 14, 2026

INSTEK/GW

GW Instek PSW 800-1.44 Multi-Range DC Supply

Aumictech offers NIST-traceable calibration and repair for the Instek/GW PSW 800-1.44. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Instek/GW PSW 800-1.44 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units. NIST-traceable calibration for the Instek/GW PSW 800-1.44 is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

MODEL **Instek/GW PSW 800-1.44**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **PSW 800-1.44**	LISTING **https://aumictechlabs.com/products/psw-800-1-44-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Instek/GW PSW 800-1.44 is a programmable switching DC power supply offering a high power density design, delivering up to 800W in a compact size. It has a voltage range from 0 to 800V and a current range from 0 to 1.44A, catering to diverse application needs. This power supply is equipped with comprehensive protection features, including over-voltage, over-current, and over-temperature protection, ensuring the safety of both the device and the equipment under

test. The PSW 800-1.44 also supports various programming interfaces, such as RS-232 and USB, enabling remote control and automated testing.

PSW800144 Characteristics / Specifications

PARAMETER	VALUE
Rated Output Voltage	0 to 800 V
Rated Output Current	0 to 1.44 A
Rated Output Power	360 W
Power Ratio	3.2
CV Line Regulation	403 mV
CV Load Regulation	405 mV
CV Ripple and Noise Peak to Peak	150 mV (10 Hz to 20 MHz)
CV Ripple and Noise rms	30 mV (5 Hz to 1 MHz)
CV Temperature Coefficient	100 ppm/C of rated output voltage after 30 minute warm-up
Remote Sense Compensation	1 V per wire
CV Rise Time Rated Load	150 ms (10% to 90% rated voltage)
CV Rise Time No Load	150 ms
CV Fall Time Rated Load	300 ms (90% to 10% rated voltage)
CV Fall Time No Load	2000 ms
Transient Response Time	2 ms
CC Line Regulation	6.44 mA
CC Load Regulation	6.44 mA
CC Ripple and Noise rms	5 mA
CC Temperature Coefficient	200 ppm/C of rated output current after 30 minute warm-up
OVP Setting Range	20 to 880 V
OCP Setting Range	0.144 to 1.584 A
OVP OCP Setting Accuracy	plus or minus 2% of rated output
Power Limit Value	approx. 105% of rated output power
Front Panel Voltage Accuracy	0.1% + 400 mV
Front Panel Current Accuracy	0.1% + 2 mA

PARAMETER	VALUE
Voltage Programming Accuracy	0.1% + 400 mV
Current Programming Accuracy	0.1% + 2 mA
Voltage Programming Resolution	14 mV
Current Programming Resolution	1 mA
Voltage Measurement Accuracy	0.1% + 400 mV
Current Measurement Accuracy	0.1% + 2 mA
Voltage Measurement Resolution	14 mV
Current Measurement Resolution	1 mA
Input Voltage Range	85 Vac to 265 Vac, 47 Hz to 63 Hz
Maximum Input Current at 100 Vac	5 A (360 W class)
Maximum Input Power	500 VA (360 W class)
Efficiency at 100 Vac	80%
Efficiency at 200 Vac	82%
Power Factor at 100 Vac	0.99
Holdup Time	20 ms or greater
Output Voltage Monitor Accuracy	plus or minus 2%
Output Current Monitor Accuracy	plus or minus 2%
Parallel Operation	up to 3 units
Series Operation	not supported (800 V models)
Operating Temperature	0 C to 50 C
Dimensions	71 × 124 × 350 mm (360 W)
Weight	approx. 3 kg (360 W main unit)
Rise Time	Rated Load: 150 ms (10% to 90% rated voltage)

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to 50 C
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Dimensions	71 × 124 × 350 mm (360 W)
Weight	approx. 3 kg (360 W main unit) Notes Specifications apply after at least 30 minutes warm-up at +20 C to +30 C per GW Instek PSW Series datasheet. Values above are the OEM column for PSW 800-1.44 / 800 V 360 W class. Faceplate and calibration certificate remain authoritative foraspecific unit.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

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PARAMETER	VALUE
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Current Programming Resolution	1 mA
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: **sales@aumictech.com** · +1 (484) 841-9341

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