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Data Sheet

August 14, 2026

INSTEK/GW

GW Instek PSP-2010 Programmable DC Power Supply

The Instek PSP-2010 is a single-channel, 200W programmable switching DC power supply. It features a high-resolution display, convenient user interface, and multiple protection features. It is suitable for benchtop or rack-mount applications.

**MODEL****Instek/GW PSP-2010****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****PSP-2010****LISTING**<https://aumictechlabs.com/products/psp-2010-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Instek PSP-2010 is a single-channel, 200W programmable switching DC power supply designed for benchtop and rack-mount applications. It has a clear, high-resolution display and a user-friendly interface for ease of use. The PSP-2010 provides comprehensive protection features, including over-voltage, over-current, and over-temperature protection, ensuring the safety of both the power supply and the connected devices. Its stable and reliable performance makes it suitable for a variety of testing and development environments.

PSP2010 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range	0 V to 20 V
Output Current Range	0 A to 10 A
Output Power	200 W max
Voltage Resolution	10 mV
Current Resolution	5 mA
Voltage Program Accuracy	plus or minus 0.05% plus or minus 3 digits
Current Program Accuracy	plus or minus 0.3% plus or minus 10 digits
Voltage Load Regulation	less than or equal to 10 mV
Voltage Line Regulation	less than 0.05%
Current Load Regulation	less than 5 mA
Current Line Regulation	less than 0.05%
Voltage Ripple	less than 20 mVrms
Current Ripple	less than 10 mArms
Readback Voltage Resolution	same as program resolution
Readback Current Resolution	same as program resolution
Readback Voltage Accuracy	same as program accuracy
Readback Current Accuracy	same as program accuracy
Protection Functions	OVP, OCP, OPP, OTP
Interface Standard	RS-232C
AC Input Voltage	115/230 VAC plus or minus 15%
AC Input Frequency	50/60 Hz
AC Input Power	approx. 420 VA max
AC Fuse 115 V	slow-blow T6.3A / 250 V
AC Fuse 230 V	T3.15A / 250 V
Display	multi-line LCD with background lighting

PARAMETER	VALUE
Dimensions	225 mmWx 100 mmHx 305 mmDWeight: approx. 4 kg
Accessories	instruction manual, power cord, test lead GTL-104

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	
Technical Specifications	
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Voltage Program Accuracy	plus or minus 0.05% plus or minus 3 digits
Current Program Accuracy	plus or minus 0.3% plus or minus 10 digits
Voltage Load Regulation	less than or equal to 10 mV
Voltage Line Regulation	less than 0.05%
Current Load Regulation	less than 5 mA
Current Line Regulation	less than 0.05%
Voltage Ripple	less than 20 mVrms
Current Ripple	less than 10 mArms
Readback Voltage Resolution	same as program resolution
Readback Current Resolution	same as program resolution
Readback Voltage Accuracy	same as program accuracy
Readback Current Accuracy	same as program accuracy
Protection Functions	OVP, OCP, OPP, OTP
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Current Load Regulation	less than 5 mA
Current Line Regulation	less than 0.05%
Voltage Ripple	less than 20 mVrms
Current Ripple	less than 10 mA _{rms}
Readback Voltage Resolution	same as program resolution
Readback Current Resolution	same as program resolution
Readback Voltage Accuracy	same as program accuracy
Readback Current Accuracy	same as program accuracy
Protection Functions	OVP, OCP, OPP, OTP
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Notes

PSP-2010 values are from GW Instek PSP Series datasheet and user manual specification tables. Serial-number dependent digit counts noted in some manuals for other PSP models do not change the PSP-2010 column values listed above. Faceplate and calibration data remain authoritative for a specific unit.

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

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.