

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

INSTEK/GW

GW Instek PSM-2010 Programmable DC Power Supply

Key Features - Dual range on one output (low 8 V/20 A, high 20 V/10 A) - Vacuum-fluorescent display - 100 store/recall sets with auto-step timer - Self-test and software calibration - Front and rear output terminals with remote sense - Intelligent fan; built-in buzzer - Optional European jack type terminal

Technical Specifications Model: PSM-2010 Manufacturer: GW Instek Instrument Type: Dual range programmable linear DC power supply Series: PSM Alias: PSM2010 Rated power: 200 W Low range: 0 to 8 V / 0 to 20 A High range: 0 to 20 V / 0 to 10 A CV load regulation: 0.01% + 2 mV CV line regulation: 0.01% + 2 mV CV ripple noise: less than 350 uVrms / 3 mVpp CC load regulation: 0.01% + 250 uA CC line regulation: 0.



MODEL Instek/GW PSM-2010	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU PSM-2010	LISTING https://aumictechlabs.com/products/psm-2010-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Instek PSM-2010 is a programmable switching DC power supply that provides a stable and adjustable DC power source. With its user-friendly interface and remote control capabilities, it can be easily integrated into automated testing systems. The power supply also includes over-voltage,

over-current, and over-temperature protection to ensure the safety of both the equipment and the user.

Features & description

From manufacturer datasheet

Features

- Dual range on one output (low 8 V/20 A, high 20 V/10 A) • Vacuum-fluorescent display • 100 store/recall sets with auto-step timer • Self-test and software calibration • Front and rear output terminals with remote sense • Intelligent fan; built-in buzzer • Optional European jack type terminal

PSM2010 Characteristics / Specifications

PARAMETER	VALUE
Model	PSM-2010
Manufacturer	GW Instek
Instrument Type	Dual range programmable linear DC power supply
Series	PSM
Alias	PSM2010
Rated power	200 W
Low range	0 to 8 V / 0 to 20 A
High range	0 to 20 V / 0 to 10 A
CV load regulation	0.01% + 2 mV
CV line regulation	0.01% + 2 mV
CV ripple noise	less than 350 uVrms / 3 mVpp
CC load regulation	0.01% + 250 uA
CC line regulation	0.01% + 250 uA
CC ripple noise	2 mArms
Programming voltage resolution	1 mV
Programming current resolution	1 mA
Readback voltage resolution	0.5 mV
Readback current resolution	1 mA
Front panel voltage resolution	1 mV
Front panel current resolution	1 mA (less than 10 A); 10 mA (10 A or greater)
OVP resolution	10 mV
OCP resolution	10 mA
Programming voltage accuracy	0.05% + 10 mV (23±5 C)
Programming current accuracy	0.2% + 10 mA (23±5 C)
Readback voltage accuracy	0.05% + 5 mV (23±5 C)

PARAMETER	VALUE
Readback current accuracy	0.15% + 5 mA (23±5 C)
OVP accuracy	0.1% + 10 mV
OCP accuracy	0.4% + 10 mA
Command processing time	100 ms (GPIB or RS-232 until voltage output)
Voltage rise full load	95 ms (resistive load)
Voltage rise no load	45 ms
Voltage fall full load	30 ms
Voltage fall no load	450 ms
Stability voltage	0.02% + 1 mV (8 h after 1 h warm-up, fixed load)
Stability current	0.1% + 1 mA (8 h after 1 h warm-up, fixed load)
Memory points	0 to 99 (100 sets)
Temp coeff voltage	0.01% + 3 mV per C (after 30 min warm-up)
Temp coeff current	0.02% + 3 mA perCAC input: 100/120/220 VAC ±10%, 230 VAC –6%/+10%, 50/60 Hz
Input rating	700 VA, 380 W
Remote interface	RS-232C and GPIB
Operating altitude	up to 2000 m
Spec ambient	10 C to 35 C
Operating range	0 C to 40 C
Relative humidity	85% RH max, noncondensing
Storage	–10 C to 70 C, 70% RH max
Dimensions	230 mmWx 140 mmHx 380 mmDWeight: approximately 10 kg
Accessories	power cord, instruction manual, programmer manual, GTL-104 test lead
Spec condition	30 minutes warm-up, +20 C to +30 C (datasheet class)
Humidity	85% RH max, noncondensing

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	
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Notes

Specs from GW Instek PSM-Series user manual technical specifications and PSM-Series datasheet. Related family: PSM-3004 (15 V/7 A and 30 V/4 A, 120 W) and PSM-6003 (30 V/6 A and 60 V/3.3 A, 200 W). Confirm GPIB presence on later production units.

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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NIST-traceable calibration · SAM registered ·
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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.