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Test & measurement • bought, sold, repaired, calibrated

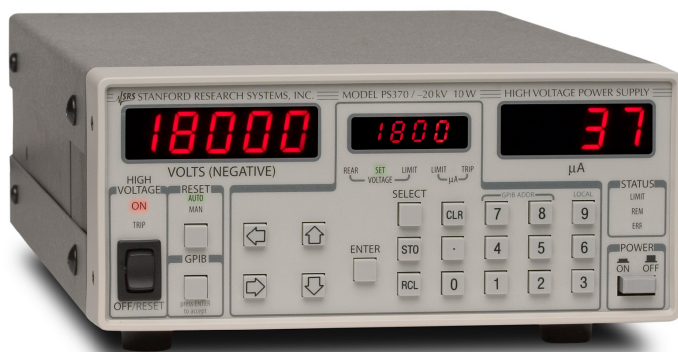
Data Sheet

August 12, 2026

STANFORD RESEARCH

Stanford Research PS350 – High Voltage Power Supply

The Stanford Research PS350 is a high-voltage DC power supply for laboratory and research environments requiring stable, precisely adjustable output from 0 to 30 kV DC. It delivers up to 10 mA continuous current with exceptional voltage stability - less than 0.01% drift over 8 hours and < 0.05% RMS ripple and noise. The unit features a ten-turn potentiometer for fine voltage control, dual 4.5-digit digital displays for voltage (10 V resolution) and current (0.1 mA resolution), and selectable positive or negative polarity via internal jumper. Over-current protection and remote interlock input support safe operation in demanding test applications such as detector systems, electron gun excitation, and high-voltage apparatus verification. Compatibility & Integration High-voltage BNC output connector. Standard DB-9 interlock connector for external safety shutdown integration. Aumictech offers NIST-traceable calibration and repair for the Stanford Research PS350. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt.



MODEL

**Stanford Research
PS350**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

PS350

LISTING

<https://aumictechlabs.com/products/ps350-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Stanford Research PS350 is a high-voltage DC power supply for laboratory and research environments requiring stable, precisely adjustable output from 0 to 30 kV DC. It delivers up to 10 mA continuous current with exceptional voltage stability - less than 0.01% drift over 8 hours and < 0.05% RMS ripple and noise. The unit features a ten-turn potentiometer for fine voltage control, dual 4.5-digit digital displays for voltage (10 V resolution) and current (0.1 mA resolution), and selectable positive or negative polarity via internal jumper. Over-current protection and remote interlock input support safe operation in demanding test applications such as detector systems, electron gun excitation, and high-voltage apparatus verification.

Technical Specifications

Output Characteristics

Voltage Range: 0 to 30 kV DC
Current Range: 0 to 10 mA (max continuous)
Voltage Ripple and Noise: < 0.05% RMS at full scale
Voltage Stability: < 0.01% over 8 hours (after 30-minute warm-up)
Load Regulation: < 0.01% (0–100% load variation)
Line Regulation: < 0.005% ($\pm 10\%$ line voltage variation)
Polarity: Positive or Negative, user-selectable

Control and Monitoring

Voltage Adjustment: Ten-turn potentiometer
Voltage Display: 4.5-digit digital readout, 10 V resolution
Current Display: 4.5-digit digital readout, 0.1 mA resolution

Front Panel: Power On/Off, Voltage Adjust, Current Limit Set

Safety: Over-current protection; Interlock input for remote shutdown

Electrical Characteristics

Input: 100–120/200–240 VAC, 50/60 Hz, user-selectable
Input Current: < 5 A at 120 VAC, full load
Power Consumption: < 600 VA

Physical and Environmental

Weight: Approximately 15–20 kg
Cooling: Forced air
Operating Temperature: 0°C to 40°C
Storage Temperature: –20°C to 70°C
Humidity: < 85% RH non-condensing

Key Features

Selectable output polarity for flexible test configurations
High-precision voltage stability and load regulation
Dual digital displays with fine resolution for real-time monitoring
Interlock connector integration for external safety systems
Dual-input voltage support accommodates global facility requirements

Typical Applications

Detector bias and excitation systems
Electron gun power supply
High-voltage test apparatus and research equipment
Laboratory bench and field-mounted installations

Compatibility & Integration

High-voltage BNC output connector. Standard DB-9 interlock connector for external safety shutdown integration.

Features & description

From manufacturer datasheet

Technical Specifications

Voltage Range: 0 to 30 kV DC Current Range: 0 to 10 mA (max continuous) Voltage Ripple and Noise: < 0.05% RMS at full scale Voltage Stability: < 0.01% over 8 hours (after 30-minute warm-up) Load Regulation: < 0.01% (0–100% load variation) Line Regulation: < 0.005% ($\pm 10\%$ line voltage variation) Polarity: Positive or Negative, user-selectable Control and Monitoring Voltage Adjustment: Ten-turn potentiometer Voltage Display: 4.5-digit digital readout, 10 V resolution Current Display: 4.5-digit digital readout, 0.1 mA resolution Front Panel: Power On/Off, Voltage Adjust, Current Limit Set Safety: Over-current protection; Interlock input for remote shutdown Electrical Characteristics Input: 100–120/200–240 VAC, 50/60 Hz, user-selectable Input Current: < 5 A at 120 VAC, full load Power Consumption: < 600 VA Physical and Environmental Weight: Approximately 15–20 kg Cooling: Forced air Operating Temperature: 0°C to 40°C Storage Temperature: –20°C to 70°C Humidity: < 85% RH non-condensing

Key Features

Selectable output polarity for flexible test configurations High-precision voltage stability and load regulation Dual digital displays with fine resolution for real-time monitoring Interlock connector integration for external safety systems Dual-input voltage support accommodates global facility requirements

Stanford Research PS350 — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Stanford Research PS350. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values [Request Calibration](#) → [Request Repair Quote](#) →

Stanford Research PS350 price

This Stanford Research PS350 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Stanford Research PS350 calibration cost

NIST-traceable calibration for the Stanford Research PS350 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 →

Applications

Detector bias and excitation systems Electron gun power supply High-voltage test apparatus and research equipment Laboratory bench and field-mounted installations Compatibility & Integration High-voltage BNC output connector. Standard DB-9 interlock connector for external safety shutdown integration.

Unit notes

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Voltage Display: 4.5-digit digital readout, 10 V resolution

Current Display: 4.5-digit digital readout, 0.1 mA resolution

Front Panel: Power On/Off, Voltage Adjust, Current Limit Set

Safety: Over-current protection; Interlock input for remote shutdown

Electrical Characteristics

Input: 100–120/200–24

PS350 Specifications

PARAMETER	VALUE
Voltage / Current Range	0-10 mA, 0-30 kV DC

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.

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Compatibility & Integration High-voltage BNC output connector. Standard DB-9 interlock connector for external safety shutdown integration.

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PS350 Specifications

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Technical Specifications

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Detector bias and excitation systems Electron gun power supply High-voltage test apparatus and research equipment Laboratory bench and field-mounted installations

Compatibility & Integration High-voltage BNC output connector. Standard DB-9 interlock connector for external safety shutdown integration.

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.