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Data Sheet
August 14, 2026

AMREL

Amrel PPS35-5

AMREL PPS35-5 Programmable DC Power Supply The AMREL (American Reliance) PPS35-5 isasingle-channel linear programmable DC power supply in the PPS Series. OEM PPS Series user manual AppendixArates 0 to 35 V / 0 to 5 A, 10 mV / 2 mA programming resolution, 0.05 percent plus 2 LSB voltage programming accuracy, GPIB control, remote sense, and 115/230 VAC operation. ATE and bench programmable DC sourcing to 35 V and 5 A with OVP/OCP and remote sense. Programming Accuracy Voltage: 0.05 percent plus 2 LSB The AMREL (American Reliance) PPS35-5 isasingle-channel linear programmable DC power supply in the PPS Series. OEM PPS Series user manual AppendixArates 0 to 35 V / 0 to 5 A, 10 mV / 2 mA programming resolution, 0.05 percent plus 2 LSB voltage programming accuracy, GPIB control, remote sense, and 115/230 VAC operation. ATE and bench programmable DC sourcing to 35 V and 5 A with OVP/OCP and remote sense. Programming Accuracy Voltage: 0.05 percent plus 2 LSB Programming Accuracy Current: 0.15 percent plus 5 LSB

MODEL Amrel PPS35-5	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU PPS35-5	LISTING https://aumictechlabs.com/products/pps35-5-3/

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

NAICS 423690 · 811210 · 541380

This unit

The Amrel PPS35-5 is a programmable DC power supply delivering up to 35V and 5A in a single-output configuration rated at 150W. Built for precision benchtop testing and system integration, it combines fine-resolution programming with low noise and excellent regulation across both

constant voltage and constant current modes.Technical Specifications DC Output Voltage: 0–35V with 10mV resolution Current: 0–5A with 2mA resolution Programming accuracy: 0.05% + 2 LSB (voltage), 0.15% + 5 LSB (current) Readback accuracy: 0.1% + 2 LSB (voltage), 0.2% + 5 LSB (current) Line regulation (CV/CC): 0.001% + 1mV / 0.01% + 1mA Load regulation (CV/CC): 0.001% + 1mV / 0.01% + 1mA Output noise (CV mode): 1mVrms, 10mVp-p across 20Hz–20MHz AC Input Switchable 115VAC or 230VAC ±10%, 50/60 Hz Input current: 3A @ 115VAC, 1.5A @ 230VAC Maximum VA: 173VA; maximum power: 141W Peak inrush: 20A Protection & Control Programmable overvoltage protection (2.4% + 1.3V accuracy) Programmable overcurrent protection Reverse polarity protection standard Remote sensing supported GPIB interface (SH1, AH1, T6, TE0, L4, LE0, RL1, SR0, PP0, DC1, DT0, C0, E1) Physical & Environmental Dimensions: 8.4" × 5.24" × 15.7" (full rack width) Weight: 18 lbs 1/2 rack mount configurable Operating temperature: 0°C to 50°C Storage temperature: −20°C to 70°C Humidity: 30–80% RH operating, 20–80% RH storage Requires 1" clearance on all sides for airflowKey Features Tight voltage/current resolution for precision circuit characterization Excellent load and line regulation in both CV and CC modes Low output ripple ideal for sensitive device testing Remote voltage/current sensing capability GPIB control for automated test systems Compact footprint with half-rack mount optionTypical Applications Component and module validation Automated test equipment integration Benchtop R&D and characterization Transient and stability analysis Power supply design verificationCompatibility & Integration GPIB connectivity enables direct integration into test automation frameworks. Programmable OVP/OCP thresholds and remote sensing support complex test sequences. Switchable AC input accommodates both 115VAC and 230VAC installations globally.

PPS35 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range	0 to 35 V
Output Current Range	0 to 5 A
Programming Resolution Voltage	10 mV
Programming Resolution Current	2 mA
Ovp Programming Resolution	200 mV
Programming Accuracy Voltage	0.05 percent plus 2 LSB
Programming Accuracy Current	0.15 percent plus 5 LSB
Ovp Programming Accuracy	2.4 percent plus 1.3 V
External Analog Voltage Gain	3.5 V/V
External Analog Current Gain	0.5 A/V
External Analog Voltage Accuracy	0.1 percent plus 4 mV
External Analog Current Accuracy	0.1 percent plus 40 mA
Load Effect Voltage	0.001 percent plus 1 mV
Ac Input 115 Vac Current	3.2 A
Ac Input 230 Vac Current	1.6 A
Fuse Rating 115 Vac	5 A
Fuse Rating 230 Vac	2.5 A
Line Amplitude	115/230 Vac plus or minus 10 percent or 240 Vac plus or minus 10 percent
Line Frequency	50 to 60 Hz
Maximum Va	350 VA
Maximum Power	273 W
Peak Inrush Current	60 A
Remote Sense Lead Drop	up to 0.5 V positive and negative
Operating Temperature	0 to 50 C

PARAMETER	VALUE
Calibration Temperature Band	plus or minus 5 C around calibration temperature when recalibrated off 25 C
Interface	GPIB IEEE 488.1
Output Enable Disable	yes
Overvoltage Protection	programmable
Overcurrent Protection	yes
Sense Mode	local or remote

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 C
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Calibration Temperature Band	plus or minus 5 C around calibration temperature when recalibrated off 25 C
Interface	GPIB IEEE 488.1
Output Enable Disable	yes
Overvoltage Protection	programmable
Overcurrent Protection	yes
Sense Mode	local or remote Notes From AMREL/American Reliance PPS Series User Manual AppendixAspecifications column for PPS 35-5. Specs at rear terminals with resistive load and local sensing unless noted.

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
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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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