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Data Sheet

August 15, 2026

HORIBA / PTI

Horiba / PTI LPS-220B Lamp Power Supply

The Horiba / PTI LPS-220B Lamp Power Supply is a reliable and stable power source designed for use with various lamps in spectroscopy and other scientific applications. It provides the necessary voltage and current to operate lamps efficiently, ensuring consistent and accurate measurements. This power supply is crucial for maintaining optimal performance and extending the lifespan of lamps used in analytical instruments.



MODEL

Horiba / PTI LPS-220B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LPS-220B

LISTING

<https://aumictechlabs.com/products/lps-220b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Horiba / PTI LPS-220B is a regulated DC lamp power supply engineered for scientific and analytical instrumentation. It delivers stable, adjustable power to mercury, xenon, mercury/xenon, and tungsten-halogen compact arc lamps rated 75–150 W, with automatic voltage regulation and precision current control. The supply generates approximately 100 V across output terminals before ignition and requires an external lamp igniter for arc lamp operation. Manual and automatic ignition modes are selectable via front-panel controls; the IGNITE button applies 100 V to the igniter to generate a 30 kV pulse to the lamp. A digital meter displays lamp volts, watts, or amps via selector switch. Input voltage is user-selectable between 115 V and 220 V with corresponding fuse ratings (slow blow: 4 A at 115 V, 2 A at 220 V; fast blow: 10 A internal). Current regulation stabilizes lamp output after a five-minute xenon warm-up period. The unit features air cooling with

internal fan ventilation through a rear-panel heat sink and color-coordinated connectors for lamp housing connections. Technical Specifications Output voltage: Up to 100 V DC prior to ignition Output current: Adjustable and regulated Lamp wattage range: 75–150 W Ignition pulse: 30 kV Input voltage (selectable): 115 V or 220 V Slow blow fuse ratings: 4 A at 115 V, 2 A at 220 V Fast blow fuse rating: 10 A Xenon lamp warm-up time: 5 minutes to stable regulation Key Features Automatic voltage regulation maintains desired lamp current Adjustable current control via front-panel knob Dual-mode ignition (manual and automatic switchable) Digital meter with selectable display (volts/watts/amps) Air-cooled with internal fan and rear heat sink Color-coordinated output connectors (red +, black –) External igniter interface for arc lamp operation Typical Applications Fluorescence spectroscopy Analytical instrumentation Research and laboratory measurements Spectrophotometric analysis Compatibility & Integration Mercury compact arc lamps Xenon compact arc lamps Mercury/xenon compact arc lamps Tungsten-halogen lamps External arc lamp igniters (do not use PTI model LPS-221 Igniter if connected via two cables)

LPS220B Characteristics / Specifications

PARAMETER	VALUE
Model	LPS-220
Also Known As	LPS-220B
Instrument Type	Regulated DC arc and tungsten lamp power supply
Lamp Power Range	75 to 150 W
Power Rating	0 to 150 W
Operating Voltage	12 to 24 V
Operating Current	0 to 8 A
Input Voltage Low	105 to 132 V at 60 Hz user selectable
Input Voltage High	210 to 264 V at 50 Hz user selectable
Pre Ignition Voltage	greater than 85 V across output before ignite
Ripple At Max Current	less than 10 mV
Stability After Warmup	0.2 percent
Line Regulation	0.1 percent current variation for 5 V line change
Load Regulation	0.1 percent current variation for 50 percent load-impedance change
Xenon 75 W Voltage	12 to 14 V nominal, 15 V maximum
Mercury 100 W Voltage	12 to 14 V nominal, 15 V maximum
Xenon 150 W Voltage	17.5 to 20 V nominal, 20.5 V maximum
Dimensions	4.5 × 10.75 × 12.5 inch (11.5 × 27.3 × 31.8 cm)
Mass	12 lb (5.4 kg)
Slow Blow Fuse	115 V / 4 A or 220 V / 2 A
Fast Blow Fuse	10 A
Igniter Companion	LPS-221B igniter with A-010B arc lamp housing class
Cooling	internal fan through rear heat sink
Manufacturer	Photon Technology International / Horiba Scientific
Display	front-panel current/wattage display with ignite control

LPS220B Specifications

PARAMETER	VALUE
Key Features	75 to 150 W xenon mercury and tungsten-halogen
Ripple less than 10 mV at maximum current	External igniter path with greater than 85 V pre-ignition
Technical Specifications	Model: LPS-220

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

From PTI Model LPS-220B Lamp Power Supply manual electrical, lamp, and physical tables. LPS-220 and LPS-220B share the published 75 to 150 W universal-supply table; confirm fuse line voltage and igniter pairing on the installed 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.