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Data Sheet

August 15, 2026

HORIBA / PTI

Horiba / PTI LPS-220 Lamp Power Supply

The Horiba / PTI LPS-220 is a lamp power supply designed for use with various Horiba and PTI light sources. It provides stable and regulated power to ensure consistent and reliable performance of lamps used in spectroscopic and analytical instruments. This power supply is essential for maintaining the accuracy and repeatability of experimental results.



MODEL

Horiba / PTI LPS-220

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LPS-220

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Horiba/PTI LPS-220 is a highly regulated DC power supply engineered to deliver stable, consistent power to arc and halogen lamp sources in analytical and spectroscopic systems. Built for Mercury, Xenon, Mercury/Xenon compact arc, and Tungsten-Halogen lamps operating between 75 and 150 watts, the unit maintains output current through automatic voltage regulation to ensure repeatability and accuracy in experimental measurements. Technical Specifications
Lamp Compatibility: Mercury, Xenon, Mercury/Xenon compact arc lamps, Tungsten-Halogen lamps
Power Output Range: 75 to 150 watts
Output Control: Adjustable current control with automatic voltage tracking
Warm-up Stability: Xenon lamps achieve stable operation within 5 minutes
Display: Digital meter selectable for volts, watts, or amps
Input Voltage: 115 V or 220 V operation
Fusing: Slow-blow (115 V/4 A or 220 V/2 A) and fast-blow (10 A) fuses, selected via rear-panel circuit card
Cooling: Internal fan with rear-panel heat sink; adequate ventilation

required Key Features Manual and automatic arc ignition with external lamp igniter support
Approximately +100 V bias across output terminals before ignition 30 kV ignition pulse generated
by pressing IGNITE button or automatically ~15 seconds after power-up Automatic re-ignition
upon power restoration Color-coordinated rear-panel connectors for lamp housing connections
Red and black output cables supplied Compatibility & Integration The LPS-220 integrates with
external lamp igniters for arc lamp systems. Do not use with PTI model LPS-221 Igniter; non-
specified component interchange voids warranty and risks permanent equipment damage.
Compatible with separate lamp housings via supplied output cables.

LPS220 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

LPS220 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.