

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ELGAR

Elgar 121B AC Power Source

The Elgar 121B is a classic Elgar AC power source for laboratory AC voltage and frequency generation. OEM Elgar literature positions 120-series sources for compact AC power simulation including avionics frequency testing. Laboratory AC power simulation, 50/60/400 Hz product testing, and compact AC source applications matched to faceplate ratings. Adjustable AC voltage and frequency class Instrument Family: Elgar 121B AC power source Laboratory AC power simulation, 50/60/400 Hz product testing, and compact AC source applications matched to faceplate ratings. Adjustable AC voltage and frequency class Instrument Family: Elgar 121B AC power source Frequency Coverage Class: 45 to 500 Hz or 400 Hz class



MODEL

Elgar 121B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

121B

LISTING

<https://aumictechlabs.com/products/121b-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Elgar 121B is a precision AC power source designed for simulating and testing various AC power conditions. As a solid-state linear amplifier, it converts incoming line power into a low-distortion, stable sine wave output. This unit is suitable for general-purpose testing, Automatic Test Equipment (ATE) systems, and avionics testing due to its regulated and clean sine wave output. The Elgar 121B is a benchtop or 19-inch rackmount unit that can be controlled by external oscillators, providing flexibility in its operation. It includes overload and overtemperature protection to ensure reliable operation. Technical Specifications * Manufacturer: Elgar (also listed as Xantrex Elgar) Model: 121B Output Power: 120 VA Output Voltage Ranges: * 0-125 VAC

(adjustable) * 0-250 VAC (adjustable) * 0-130 VAC * 0-32 V (continuously adjustable) * 0-65/130/260 VAC (selectable via rear panel jumper) Frequency Range: 45 Hz to 5 kHz * Can be used for testing to military specification operating requirements over the frequency range of 47 to 63 Hz or 47 to 425 Hz * Optionally expandable to 10 kHz Frequency Accuracy: Up to .0001% with a suitable plug-in oscillator Harmonic Distortion: Typically below 0.3% midband, 0.6% over the full frequency range Line Regulation: $\pm 0.25\%$ at rated load for a +10% input change at full scale output voltage Load Regulation: $\pm 1\%$, no load to full load over the full frequency range. Better than $\pm 0.25\%$ for fixed frequency output Input Voltage: * Can be wired for 115 VAC, 50-60 Hz * Can be wired for 230 VAC, 50-60 Hz * 115/208/230 VAC, +10% (208 VAC not available on all models) Phase: Single-phase (can be configured for 2-phase or 3-phase by stacking units with a multi-phase oscillator) Protection: Overload and overtemperature protection Duty Cycle: * B Series: Continuous duty at 100% of rated capacity * Can operate continuously at up to 150% rated capacity Control: * Front panel voltage amplitude control and voltmeter for output monitoring * Programmable via IEEE-448 GPIB when used with a Plug-In Programmer (PIP) Interfaces * Output Terminals: Rear panel terminal block and front panel binding posts Oscillator Input: Accepts fixed, variable, or programmable plug-in oscillators to set output frequency GPIB: IEEE-448 (optional, with Plug-In Programmer) Physical * Form Factor: Benchtop / 19-inch rackmount enclosure Cooling: Air is drawn through a front-panel grill and exhausted at the rear Weight: 43.00 lbs Compatibility * Multi-phase Operation: Can be used in multi-phase configurations (2-phase or 3-phase) by stacking two or three Model 121B units, all driven by the same multi-phase plug-in oscillator Oscillators: Accepts a variety of plug-in oscillators for frequency control Why Choose Aumictech for ELGAR 121B? At Aumictech, we specialize in supplying high-end AC power source equipment. Whether you need precise voltage and frequency simulation for product development, solid testing capabilities for ATE systems, or reliable power for avionics applications, our team ensures the ELGAR 121B delivers maximum performance for your application.

121B Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	Elgar 121B AC power source
Output Type	AC voltage
Frequency Coverage Class	45 to 500 Hz or 400 Hz class
Voltage Ranges Class	adjustable Vac class
VA Rating Class	120 VA class adjacency on model number
Phases	single phase
Metering	voltage current frequency class
Form Factor	bench/rack class
AC Input	mains powered
Regulation Class	specified on datasheet
Distortion Class	low THD class
Remote Programming Class	analog options on family
Protection	overcurrent overtemperature class
Operating Temperature Class	laboratory
Series Family	Elgar 120
Sense	remote sense class on family
Current Limit	yes class
Output On Control	yes class
Amplitude Stability Class	specified on datasheet
Load Power Factor Class	leading/lagging capable class
Cooling	fan or convection class
Single Phase Output	yes
Operating temperature	Class: laboratory

121B Specifications

PARAMETER	VALUE
Elgar 121B AC Power Source	Overview
Applications	Laboratory AC power simulation, 50/60/400 Hz product testing, and compact AC source applications matched to faceplate ratings.
Technical Specifications	Instrument Family: Elgar 121B AC power source
Notes	Identity and family capability rows from Elgar 121B literature. Confirm exact VA voltage and frequency limits on the faceplate and manual.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory
Operating Temperature	Class: laboratory
Operating Temperature Class	laboratory
Series Family	Elgar 120
Sense	remote sense class on family
Current Limit	yes class
Output On Control	yes class
Amplitude Stability Class	specified on datasheet
Load Power Factor Class	leading/lagging capable class
Cooling	fan or convection class
Single Phase Output	yes Notes Identity and family capability rows from Elgar 121B literature. Confirm exact VA voltage and frequency limits on the faceplate and manual.

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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Load Power Factor Class	leading/lagging capable class
Cooling	fan or convection class
Single Phase Output	yes
Notes	
Identity and family capability rows from Elgar 121B literature. Confirm exact VA voltage and frequency limits on the faceplate and manual.	

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.