

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ELGAR

Elgar 400A AC Power Source

The Elgar 400A is a classic Elgar AC power source providing adjustable AC voltage and frequency for avionics and line simulation. OEM Elgar AC source literature positions 400-series units for single phase AC power with 400 Hz avionics support in laboratory environments. Avionics 400 Hz AC power simulation, 50/60 Hz margin testing, and AC product testing matched to the unit VA rating. Instrument Family: Elgar 400A AC power source Frequency Coverage Class: 45 to 500 Hz including 400 Hz class Avionics 400 Hz AC power simulation, 50/60 Hz margin testing, and AC product testing matched to the unit VA rating. Instrument Family: Elgar 400A AC power source Frequency Coverage Class: 45 to 500 Hz including 400 Hz class Voltage Ranges Class: dual range low/high Vac class



MODEL

Elgar 400A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

400A

LISTING

<https://aumictechlabs.com/products/400a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Elgar 400A is a plug-in oscillator module designed for use with Elgar AC Power Sources. It has a stable input frequency signal, enabling precise control over the output of the associated power source. The 400A is specifically designed to allow an external source, such as an arbitrary waveform generator, to provide the waveform input to the power source. Key Features and Technical Details Functionality: External Waveform Input: The primary function of the 400A is to accept an external waveform input signal, typically from an arbitrary waveform generator (AWG). This allows for sophisticated testing scenarios where custom or complex waveforms are required.

Signal Routing: It acts as a signal routing plug-in, enabling the proper signal from an external source to be directed to the Elgar power source. Compatibility: Elgar Power Sources: Designed exclusively for integration with Elgar Series 400 power sources. External Signal Source: Compatible with arbitrary waveform generators or other signal sources capable of providing a suitable drive signal. Electrical Characteristics: Input Signal: Features a mini-phone jack for connecting an external drive signal. Power Draw: Draws operating power from the Elgar Power Source it is plugged into. Output Control: The amplitude of the output signal is controlled by the AMPLITUDE control on the front panel of the associated Elgar Power Source. Physical Characteristics: Form Factor: A plug-in enclosure designed to be inserted into a dedicated slot on the front panel of an Elgar Power Source. Installation: Installs by plugging into the provided space on the power source front panel and securing with captive screws. Operation: Frequency and Amplitude: While the 400A facilitates external waveform input, the overall output frequency and amplitude are governed by the connected Elgar Power Source and its controls. Why Choose Aumictech for the Elgar 400A? At Aumictech, we specialize in supplying high-end power supply equipment. Whether you need precise waveform generation capabilities, integration with advanced test systems, or reliable signal routing for your Elgar power sources, our team ensures the Elgar 400A plug-in oscillator delivers maximum performance for your application.

400A Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	Elgar 400A AC power source
Output Type	AC voltage
Frequency Coverage Class	45 to 500 Hz including 400 Hz class
Voltage Ranges Class	dual range low/high Vac class
VA Rating Class	400 VA class adjacency on model number
Phases	single phase
Metering	voltage current frequency class
Form Factor	rack or bench class
AC Input	mains powered
Regulation Class	specified on datasheet
Distortion Class	low THD class on Elgar sources
Remote Programming Class	analog options on family
Protection	overcurrent overtemperature class
Operating Temperature Class	laboratory
Series Family	Elgar 400
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
Single Phase Output	yes
Avionics Frequency 400 Hz	supported class
Operating temperature	Class: laboratory

400A Specifications

PARAMETER	VALUE
Elgar 400A AC Power Source	Overview
Applications	Avionics 400 Hz AC power simulation, 50/60 Hz margin testing, and AC product testing matched to the unit VA rating.
Adjustable AC voltage and frequency	400 Hz avionics support class
Technical Specifications	Instrument Family: Elgar 400A AC power source

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory
Operating Temperature	Class: laboratory
Operating Temperature Class	laboratory
Series Family	Elgar 400
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
Single Phase Output	yes
Avionics Frequency 400 Hz	supported class Notes Identity and family capability rows from Elgar 400A AC power source literature. Confirm exact VA voltage current and frequency span 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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Avionics Frequency 400 Hz	supported class
Notes	
Identity and family capability rows from Elgar 400A AC power source literature. Confirm exact VA voltage current and frequency span 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.