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Data Sheet

August 15, 2026

AMETEK/ELGAR

Ametek / Elgar 7V Mod. Master Power Module

The Ametek / Elgar 7V Mod. Master Power Module is a DC power supply module engineered for integration into AT8000 series programmable multi-output DC power system mainframes. It delivers linear DC power output with low ripple in constant voltage or constant current mode, supported by overcurrent sensing, overvoltage protection with SCR crowbar shutdown, and load isolation relays. Compatibility & Integration Designed exclusively for integration into Ametek / Elgar AT8000, AT8000A, and AT8000B programmable multi-output DC power systems. The modular architecture allows flexible configuration of up to six modules per mainframe, enabling parallel operation for increased power delivery up to 1200W total system output. Aumictech offers NIST-traceable calibration and repair for the Ametek/Elgar 7V Mod.. All calibrations are performed to NIST-traceable standards and ship with a certificate. Tur



MODEL

Ametek/Elgar 7V Mod.

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

7V Mod.

LISTING

<https://aumictechlabs.com/products/7v-mod-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ametek / Elgar 7V Mod. Master Power Module is a DC power supply module engineered for integration into AT8000 series programmable multi-output DC power system mainframes. It delivers linear DC power output with low ripple in constant voltage or constant current mode, supported by overcurrent sensing, overvoltage protection with SCR crowbar shutdown, and load isolation relays. Technical Specifications Module Type: DC Power Module for AT8000 series

systems Output Mode: Constant voltage or constant current operation Output Characteristics: Linear DC power with low ripple Power Modules Per Mainframe: Up to six power supply modules and/or electronic load modules per chassis Maximum System Power Output: 1200W by paralleling modules Module Power Rating: 200W per DC power module Key Features Overcurrent sensing and overvoltage protection with SCR crowbar shutdown Load isolation (confidence) relays Optional polarity switching relays Built-in test option with voltage and current readback capability for DC power modules Linear efficiency design Control & Interface Local control via front-panel keyboard Remote control via IEEE-488 GPIB interface Compatible with ABLE and CIIL programming environments Physical Form Factor Plug-in module design for Ametek / Elgar AT8000 series mainframes Mainframe specifications: 5-1/4" height, 19" width, rackmount chassis configuration Compatibility & Integration Designed exclusively for integration into Ametek / Elgar AT8000, AT8000A, and AT8000B programmable multi-output DC power systems. The modular architecture allows flexible configuration of up to six modules per mainframe, enabling parallel operation for increased power delivery up to 1200W total system output.

7VMOD Characteristics / Specifications

PARAMETER	VALUE
Model	7V Mod.
Instrument Type	AT8000 linear DC power module (master)
Family	Elgar / Ametek AT8000A/B
Voltage Family	7 V standard AT8000 range
Module Class	200 W DC power supply module
Topology	linear, isolated output
Modes	constant voltage or constant current
Overvoltage	SCR crowbar shutdown
Overcurrent	overcurrent sensing standard
Isolation Relays	load isolation (confidence) relays standard
Polarity Relays	optional
Master Role	master control path for paralleled slaves in the same voltage family
Mainframe Height	5.25 inch, 19 inch rack
Modules Per Frame	six independent channels
Frame Power	up to 1200 W paralleled
System Expand	16 channels, up to 19.2 kW, one GPIB address
Remote Interface	IEEE-488 GPIB
Able Language	ABLE on AT8000A and AT8000B
Ciil Language	CIIL MATE on AT8000A
Readback	optional BIT voltage and current readback
Ce Frame	AT8000B CE listed
Manufacturer	Elgar / Ametek
Literature	Elgar AT8000A/B DC power system description, 7 V master module
Sibling	2.5 V slave 5691288-62 and 20 V master in the same AT8000 module set

7VMOD Specifications

PARAMETER	VALUE
Elgar AT8000 7 V Master DC Power Module	Overview
Applications	AT8000 mainframes needing a 7 V master linear channel with GPIB ABLE/CIIL and optional slaves.
Key Features	7 V AT8000 master linear module
Load isolation relays standard	Six modules per 5.25 inch frame
Technical Specifications	Model: 7V Mod.

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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Manufacturer	Elgar / Ametek
Literature	Elgar AT8000A/B DC power system description, 7 V master module
Sibling	2.5 V slave 5691288-62 and 20 V master in the same AT8000 module set

Notes

From Elgar AT8000A/B family documentation for 7 V master modules. Ampere rating of a specific 7 V overlay belongs on that module nameplate and is not invented.

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.