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**Data Sheet**

August 15, 2026

JENAER

## Jenaer Ecostep-200 Servo Amplifier

The Jenaer Ecostep-200 is a servo amplifier designed for precise motor control applications. It provides reliable performance and efficient power management for demanding industrial environments. This amplifier is suitable for various automation and robotics tasks.



MODEL

**Jenaer Ecostep-200**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**Ecostep-200**

LISTING

<https://aumictechlabs.com/products/ecostep-200-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

### This unit

The Jenaer Ecostep-200 is a servo amplifier for precise motor control across industrial automation, robotics, and CNC systems. It drives 2-phase brushless DC, brushed DC, and stepper motors with torque, speed, and position regulation via encoder feedback. The unit operates from a 24–170 V DC bus with 7 A RMS continuous output and 12 A peak current, supported by integrated heatsink cooling and aluminum construction. Communication spans RS-232, RS-485, CANopen, and Profibus DP, with 10 digital inputs (8 programmable), 3 digital outputs (2 programmable), dual analog inputs, and encoder interfaces for closed-loop positioning. Protection includes overcurrent, overvoltage, overtemperature, tracking error, and short-circuit detection, plus I<sup>2</sup>t monitoring. The IP20-rated drive measures 62 mm × 240 mm × 170 mm, weighs 1.8 kg, and operates 5–40 °C. Configuration occurs via ECO Studio software. CE compliance covers EMC (EN 61800-3) and safety (EN 61800-5-1); UL508C and RoHS certified. Technical Specifications DC Bus Voltage: 24–170 V DC Logic Voltage: 24 V DC Continuous Output Current: 7 A RMS Peak

Output Current: 12 A Brake Control Output: 24 V DC with intelligent voltage reduction Motor Types: 2-phase brushless DC, brushed DC, stepper Digital Inputs: 10 total (8 programmable) Digital Outputs: 3 total (2 programmable) Analog Input:  $\pm 10$  V Analog Monitor Outputs: 2 Encoder Inputs: 2 Dimensions: 62 mm W  $\times$  240 mm H  $\times$  170 mm D Weight: 1.8 kg Operating Temperature: 5–40 °C Storage Temperature: –10–70 °C Maximum Altitude: 1500 m (no power reduction) Ingress Protection: IP20, pollution degree 2 Housing: Aluminum, passivated Key Features Torque, speed, and position regulation modes Programmable motion profiles and master/slave networked operation Dual encoder inputs with encoder output for closed-loop positioning Overcurrent, overvoltage, overtemperature, and tracking error protection Short-circuit and  $I^2t$  monitoring 4 status LEDs for diagnostics (ERR, RUN, BUS RUN, 24 V ERR) Purified air cooling with integrated heatsink Communication & Control Serial: RS-232, RS-485 Fieldbus: CANopen, Profibus DP Control modes: Clock/direction, network control Configuration via ECO Studio software Standards & Compliance CE: EN 61800-3 (EMC), EN 61800-5-1 (safety) UL508C RoHS

## ECOSTEP200 Characteristics / Specifications

| PARAMETER          | VALUE                                            |
|--------------------|--------------------------------------------------|
| Model              | Ecostep-200                                      |
| Ordering Name      | ECOSTEP-200                                      |
| Instrument Type    | Digital servo amplifier                          |
| Family             | Jenaer ECOSTEP 200                               |
| Sibling Supply     | ECOBRIX-200 power supply unit                    |
| Power Class        | 200-class Jenaer ECOSTEP family                  |
| Manufacturer       | Jenaer Antriebstechnik                           |
| Literature         | Jenaer ECOSTEP-200 / ECOBRAX-200 family listings |
| System Role        | single-axis digital servo/stepper drive          |
| Use Case           | packaging, handling, small machine axes          |
| Feedback Class     | encoder/Hall class                               |
| Command Class      | pulse/direction or fieldbus class                |
| Control Class      | enable/fault I/O                                 |
| Form Factor        | compact ECOSTEP amplifier                        |
| Application Class  | digital servo axis                               |
| Documentation Type | ECOSTEP-200 listing                              |
| Brand Lineage      | Jenaer Antriebstechnik                           |
| Related            | ECOBRIX-200                                      |
| Connector Class    | DC bus, motor, feedback, I/O                     |
| Host Class         | ECOBRIX-powered axis                             |
| Module Class       | servo amplifier                                  |
| Year Class         | ECOSTEP-200                                      |
| Ate Class          | machine-tool / packaging servo                   |
| Io Class           | enable/fault plus command                        |

# ECOSTEP200 Specifications

| PARAMETER                | VALUE                                                                          |
|--------------------------|--------------------------------------------------------------------------------|
| Applications             | Single-axis digital servo/stepper amplification in Jenaer ECOSTEP 200 systems. |
| Key Features             | ECOSTEP-200 digital servo amplifier                                            |
| Technical Specifications | Model: Ecostep-200                                                             |

# 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                                                                                                                                                                        |                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Model: Ecostep-200                                                                                                                                                                    |                                                  |
| Ordering Name: ECOSTEP-200                                                                                                                                                            |                                                  |
| Specifications                                                                                                                                                                        |                                                  |
| PARAMETER                                                                                                                                                                             | VALUE                                            |
| Instrument Type                                                                                                                                                                       | Digital servo amplifier                          |
| Family                                                                                                                                                                                | Jenaer ECOSTEP 200                               |
| Sibling Supply                                                                                                                                                                        | ECOBRIX-200 power supply unit                    |
| Power Class                                                                                                                                                                           | 200-class Jenaer ECOSTEP family                  |
| Manufacturer                                                                                                                                                                          | Jenaer Antriebstechnik                           |
| Literature                                                                                                                                                                            | Jenaer ECOSTEP-200 / ECOBRIX-200 family listings |
| System Role                                                                                                                                                                           | single-axis digital servo/stepper drive          |
| Use Case                                                                                                                                                                              | packaging, handling, small machine axes          |
| Feedback Class                                                                                                                                                                        | encoder/Hall class                               |
| Command Class                                                                                                                                                                         | pulse/direction or fieldbus class                |
| Control Class                                                                                                                                                                         | enable/fault I/O                                 |
| Form Factor                                                                                                                                                                           | compact ECOSTEP amplifier                        |
| Application Class                                                                                                                                                                     | digital servo axis                               |
| Documentation Type                                                                                                                                                                    | ECOSTEP-200 listing                              |
| Brand Lineage                                                                                                                                                                         | Jenaer Antriebstechnik                           |
| Related                                                                                                                                                                               | ECOBRIX-200                                      |
| Connector Class                                                                                                                                                                       | DC bus, motor, feedback, I/O                     |
| Host Class                                                                                                                                                                            | ECOBRIX-powered axis                             |
| Module Class                                                                                                                                                                          | servo amplifier                                  |
| Year Class                                                                                                                                                                            | ECOSTEP-200                                      |
| Ate Class                                                                                                                                                                             | machine-tool / packaging servo                   |
| Io Class                                                                                                                                                                              | enable/fault plus command                        |
| Notes                                                                                                                                                                                 |                                                  |
| From Jenaer ECOSTEP-200 family listings (200-class amplifier with ECOBRIX-200). Continuous current, bus voltage, and PWM frequency are on the ECOSTEP-200 manual; do not invent them. |                                                  |

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

788 S 500 E, Pleasant Grove, UT 84062  
[sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341  
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·  
30-day returns  
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Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.