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Data Sheet

August 8, 2026

GOSSEN

Gossen Konstanter 24K8RU12 DC Power Supply 8V 12A

Gossen Konstanter 24K8RU12 DC Power Supply 8V 12A The Gossen Konstanter 24K8RU12 is a linearly regulated laboratory DC power supply in the 24K Konstanter family providing 0–8 V at up to 12 A. The RU coding denotes the overvoltage-protected (OVP) configuration typical of Konstanter RU models (adjustable OVP, fast crowbar-class response). Suited for low-voltage high-current logic, digital, and power-rail testing. Logic and TTL/CMOS rail supply; high-current low-voltage device testing; production burn-in; parallel/series Konstanter multi-unit setups. The Gossen Konstanter 24K8RU12 is a linearly regulated laboratory DC power supply in the 24K Konstanter family providing 0–8 V at up to 12 A. The RU coding denotes the overvoltage-protected (OVP) configuration typical of Konstanter RU models (adjustable OVP, fast crowbar-class response). Suited for low-voltage high-current logic, digital, and power-rail testing. Logic and TTL/CMOS rail supply; high-current low-voltage device testing; production burn-in; parallel/series Konstanter multi-unit setups.



MODEL

Gossen 24K8RU12

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

24K8RU12

LISTING

<https://aumictechlabs.com/products/24k8ru12-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Gossen Konstanter 24K8RU12 is a programmable DC power supply delivering 8V at 12A (96W) for laboratory and production test environments. This computer-controlled unit combines voltage and current regulation with fast sub-millisecond response times, making it suitable for sensitive electronic equipment requiring stable, protected power delivery. The supply integrates directly into automated test systems via RS 232C interface and software drivers for LabVIEW, LabWindows/CVI, and Agilent VEE, eliminating manual control overhead.

Technical Specifications
Output: Single channel, 8V / 12A Output Power: 96W Voltage Regulation: Voltage regulated
Current Regulation: Current regulated Response Time: <1 ms (load-independent) Output Ripple: Minimal residual ripple Interfaces: RS 232C (standard); IEEE 488 (optional) Analog I/O: Monitor outputs, auxiliary power, programmable signal outputs, trigger and setpoint inputs with external control voltage capability Remote Sensing: Supported with dedicated connector sockets
Sequence Control: Voltage and current sequence generation with precise step rate control
Master-Slave Operation: Parallel or series connection supported for multi-output configurations

Key Features Overvoltage protection (OVP) Overcurrent protection (OCP) Over-temperature protection Polarity reversal protection for electronic loads Output ON/OFF control Lockable control elements

Typical Applications Research and development, production testing, and device characterization where consistent output and protection against voltage transients are critical. Sequence-based testing and multi-supply coordination via master-slave operation.

Compatibility & Integration Part of the SSP KONSTANTER series. Native drivers support LabVIEW, LabWindows/CVI, and Agilent VEE. RS 232C control standard; IEEE 488 option enables integration with legacy GPIB-based test systems.

Features & description

From manufacturer datasheet

Features

- Family: Gossen Konstanter 24K • Output: 0–8 V DC; 0–12 A • Modes: CV/CC linear regulated • OVP (RU): adjustable overvoltage protection, ~10 μ s class response (Konstanter RU) • Fine multi-turn voltage/current controls; dual metering class • Series and parallel operation with compatible Konstanter units • Active cooling typical of 24K high-current chassis • Mains: typically 220–230 V AC (confirm nameplate) • Continuous power class $\approx$ 96 W at 8 V / 12 A

24K8RU12 Characteristics / Specifications

PARAMETER	VALUE
Model	24K8RU12
Manufacturer	Gossen / Gossen Metrawatt
Instrument Type	Linear Laboratory DC Power Supply with OVP
Family	Gossen Konstanter 24K
Alias	24K8RU12; 8V 12A Konstanter Electrical 0–8 V; 0–12 A; RU OVP Operational Notes Prefer Gossen Konstanter 24K/34K RU documentation. Set OVP above intended load voltage before enabling output. Confirm mains voltage on nameplate.
Output	0–8 V DC; 0–12 A
Modes	CV/CC linear regulated
OVP (RU)	adjustable overvoltage protection, ~10 μs class response (Konstanter RU)
Mains	typically 220–230 V AC (confirm nameplate)

24K8RU12 Specifications

PARAMETER	VALUE
Gossen Konstanter 24K8RU12 DC Power Supply 8V 12A	Overview
Applications	Logic and TTL/CMOS rail supply; high-current low-voltage device testing; production burn-in; parallel/series Konstanter multi-unit setups.
Key Features	- Family: Gossen Konstanter 24K
Technical Specifications	Model: 24K8RU12
Electrical	0–8 V; 0–12 A; RU OVP

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

Specifications

PARAMETER	VALUE
Model	24K8RU12
Manufacturer	Gossen / Gossen Metrawatt
Instrument Type	Linear Laboratory DC Power Supply with OVP
Family	Konstanter 24K
Alias	24K8RU12; 8V 12A Konstanter

Electrical

0-8 V; 0-12 A; RU OVP

Operational Notes

Prefer Gossen Konstanter 24K/34K RU documentation. Set OVP above intended load voltage before enabling output. Confirm mains voltage on nameplate.

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.