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Data Sheet

August 8, 2026

GOSSEN

Gossen Konstanter K8R2 + K18R1 DC Power Supply 18V 1A + 8V 2A

The Gossen Konstanter K8R2 + K18R1 is a dual DC power supply providing stable and reliable power for a variety of electronic applications. It features two independent outputs: 8V at 2A and 18V at 1A. Ideal for powering sensitive circuits and components requiring precise voltage and current control.

**MODEL****Gossen K8R2 / K18R1****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****K8R2 / K18R1****LISTING**<https://aumictechlabs.com/products/k8r2-k18r1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Gossen Konstanter K8R2 + K18R1 is a dual-output DC power supply engineered for R&D, production, and test systems requiring stable, regulated power delivery. Two independent outputs provide 8V at 2A and 18V at 1A, with load-independent response times under 1 ms and minimal residual ripple. Voltage and current regulation, analog signal superposition capability, and programmable memory support complex test scenarios and dynamic characterization tasks. Technical Specifications Outputs: Output 1: 8V DC nominal, 2A DC nominal Output 2: 18V DC nominal, 1A DC nominal Regulation: Voltage and current regulated Response Time: <1 ms (load-independent) Residual Ripple: Minimal Signal Conditioning: AC signal superposition up to kHz range supported on output parameters User Interface: Multifunction displays for V, A, W

measurement and readout Voltage and current adjustment via rotary pulse generators or keys Adjustable resolution on control inputs Output on/off control via key press, PC command, or trigger signal Control & Integration: RS-232C serial interface (addressable, standard) IEEE 488 interface (optionally available) PC control drivers for LabWindows/CVI, LabVIEW, and Agilent VEE Programmable setup memory for storing voltage/current sequences Microprocessor-controlled operating system Protection: Overvoltage protection (OVP) Programmable overcurrent shutdown with delayed response capability Digital signal inputs and outputs for protection coordinationKey Features Dual independent outputs with simultaneous 8V/2A and 18V/1A delivery Sub-millisecond transient response for dynamic load simulation Analog modulation support for AC signal injection onto DC levels Remote control via serial interface with multi-instrument addressing Programmable memory for automated test sequencesTypical Applications Precision circuit characterization, component validation, power architecture testing, and automated production test environments where independent voltage/current sources with fast settling and low noise are required.Compatibility & Integration RS-232C connectivity enables serial command control and multi-unit coordination. IEEE 488 option available for GPIB-based instrumentation networks. Software integration via LabVIEW, LabWindows/CVI, and Agilent VEE drivers supports automated test frameworks and data acquisition systems.

Features & description

From manufacturer datasheet

Features

- Configuration: K8R2 + K18R1 • Outputs: 0–8 V / 0–2 A and 0–18 V / 0–1 A • Modes: CV/CC per rail (Konstanter class) • Family: Gossen Konstanter modular / dual-rail • Independent voltage/current controls and metering per module • Continuous power $\approx 16\text{ W}$ (8 V) + 18 W (18 V) • AC mains powered (confirm nameplate) • Floating outputs typical; series wiring per manual

K8R2K18R1 Characteristics / Specifications

PARAMETER	VALUE
Model	K8R2 + K18R1
Manufacturer	Gossen / Gossen Metrawatt
Instrument Type	Dual-Rail Laboratory DC Power Supply
Family	Gossen Konstanter modular / dual-rail
Alias	K8R2+K18R1; 18V 1A + 8V 2A Electrical 8 V / 2 A + 18 V / 1 A; CV/CC Operational Notes Prefer unit nameplate for regulation and channel isolation. Confirm whether modules share chassis return before bipolar wiring.
Configuration	K8R2 + K18R1
Outputs	0–8 V / 0–2 A and 0–18 V / 0–1 A
Modes	CV/CC per rail (Konstanter class)

K8R2K18R1 Specifications

PARAMETER	VALUE
Key Features	- Configuration: K8R2 + K18R1
Technical Specifications	Model: K8R2 + K18R1
Electrical	8 V / 2 A + 18 V / 1 A; CV/CC

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	K8R2 + K18R1
Manufacturer	Gossen / Gossen Metrawatt
Instrument Type	Dual-Rail Laboratory DC Power Supply
Family	Konstanter K-series modules
Alias	K8R2+K18R1; 18V 1A + 8V 2A

Electrical

8 V / 2 A + 18 V / 1 A; CV/CC

Operational Notes

Prefer unit nameplate for regulation and channel isolation. Confirm whether modules share chassis return before bipolar wiring.

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.