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Data Sheet

August 8, 2026

GOSSEN

Gossen Konstanter 24K80R1.6 DC Power Supply Unit 80V 1.6A

The Gossen Konstanter 24K80R1.6 is a programmable DC power supply delivering 80V at 1.6A (128W output) for demanding R&D, production, and test applications. Dual voltage input (AC 115V / AC 230V +10/-15%, 48-63 Hz) with voltage and current regulation enables flexible bench and rack-mount deployment. The unit generates exceptionally fast transient response - sub-4 ms rise and fall times - critical for complex test signal generation and low-frequency analog signal superimposition. Typical Applications Research and development, production test systems, automotive electrical and electronics, surface finishing, telecommunications, computer sciences, control and drive technology, frequency converters, motors, power semiconductors, and uninterruptible power supply (UPS) systems. Compatibility & Integration Fully compatible with LabWindows/CVI, LabVIEW, and Agilent VEE environments via provide



MODEL

Gossen 24K80R1.6

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

24K80R1.6

LISTING

<https://aumictechlabs.com/products/24k80r1-6-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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rack-mount deployment. The unit generates exceptionally fast transient response - sub-4 ms rise and fall times - critical for complex test signal generation and low-frequency analog signal superimposition. Technical Specifications Output: 80V, 1.6A (128W) Input: AC 115V / AC 230V $\pm 10/-15\%$, 48-63 Hz Output Regulation: Voltage and current regulated DC Response Time: <4 ms rise/fall time Overvoltage Protection: Programmable Overcurrent Shut-down: Delayed, programmable Digital I/O: Programmable signal inputs/outputs Key Features Manual control via dual rotary pulse generators with adjustable resolution RS232C serial interface (standard); analog, RS232, IEEE488 (GPIB), USB, and Ethernet available by model SCPI command support with drivers for LabWindows/CVI, LabVIEW, and Agilent VEE Configurable U/I time profiles with automatic sequencing (up to 243 stored settings in select models) Laboratory bench or 19" rack mounting Typical Applications Research and development, production test systems, automotive electrical and electronics, surface finishing, telecommunications, computer sciences, control and drive technology, frequency converters, motors, power semiconductors, and uninterruptible power supply (UPS) systems. Compatibility & Integration Fully compatible with LabWindows/CVI, LabVIEW, and Agilent VEE environments via provided drivers. SCPI-compliant remote control enables integration into automated test frameworks and system-level instrumentation stacks.

Features & description

From manufacturer datasheet

Features

- Family: Gossen Konstanter 24K • Output: 0–80 V DC; 0–1.6 A • Modes: CV/CC linear regulated • Continuous power ≈ 128 W • 10-turn voltage and current potentiometers • Dual metering (R class) • Built-in cooling fan • Dimensions $\approx 150 \times 205 \times 360$ mm; weight ≈ 9.2 kg • Mains: typically 220 V AC (confirm nameplate) • Series/parallel capable with compatible Konstanter units

24K80R16 Characteristics / Specifications

PARAMETER	VALUE
Model	24K80R1.6
Manufacturer	Gossen / Gossen Metrawatt
Instrument Type	Linear Laboratory DC Power Supply
Family	Gossen Konstanter 24K
Alias	24K80R1.6; 24 K 80 R 1,6; 80V 1.6A Electrical 0–80 V; 0–1.6 A; CV/CC Operational Notes Prefer Gossen Konstanter 24K / Radiomuseum 24 K 80 R 1,6 notes. Confirm mains voltage on nameplate before energizing.
Output	0–80 V DC; 0–1.6 A
Modes	CV/CC linear regulated
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24K80R16 Specifications

PARAMETER	VALUE
Key Features	- Family: Gossen Konstanter 24K
Technical Specifications	Model: 24K80R1.6
Electrical	0–80 V; 0–1.6 A; CV/CC
Operational Notes	Prefer Gossen Konstanter 24K / Radiomuseum 24 K 80 R 1,6 notes. Confirm mains voltage on nameplate before energizing.

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	24K80R1.6
Manufacturer	Gossen / Gossen Metrawatt
Instrument Type	Linear Laboratory DC Power Supply
Family	Konstanter 24K
Alias	24K80R1.6; 24 K 80 R 1,6; 80V 1.6A

Electrical

0-80 V; 0-1.6 A; CV/CC

Operational Notes

Prefer Gossen Konstanter 24K / Radiomuseum 24 K 80 R 1,6 notes. Confirm mains voltage on nameplate before energizing.

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.