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Data Sheet

August 8, 2026

GOSSEN

Gossen Konstanter 7KD2403-4G61 DC Power Supply 2(80V .25A) + 8V 2A

The Gossen Konstanter 7KD2403-4G61 is a DC power supply designed for laboratory and industrial applications. It provides dual outputs of 80V at 0.25A and a single output of 8V at 2A, catering to a range of voltage and current requirements for powering electronic devices and circuits. This power supply ensures stable and reliable performance, suitable for precision testing and development work.



MODEL

Gossen 7KD2403-4G61

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

7KD2403-4G61

LISTING

<https://aumictechlabs.com/products/7kd2403-4g61-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Gossen Konstanter 7KD2403-4G61 is a dual-output DC power supply designed for laboratory and industrial test environments requiring precise voltage and current regulation. It delivers two independent channels: 80V at 0.25A (20W) and 8V at 2A (16W), with minimal residual ripple and response times under 4 ms. The instrument combines local control with networked operation via addressable RS 232C serial interface (50 to 19,200 bits/sec, up to 30 devices per port) and optional IEEE 488 interface for full remote function control. Built-in overvoltage, overcurrent, and over-temperature protection with adjustable delayed shutdown (0.00 to 99.99 sec) safeguard connected loads. Dual 4-place multifunction displays show voltage, current, and power

measurements in real time. Menu-driven configuration handles range limiting, protection thresholds, and digital I/O parameters. The unit stores up to 243 settings for individual or sequential recall. Analog interfaces provide monitor outputs, auxiliary power, programmable signal paths, and trigger/setpoint inputs capable of superimposing AC signals in the kHz range. Output switching via key press, RS 232C command, or trigger input enables flexible test automation.

Technical Specifications

Output 1: 80V, 0.25A (20W) **Output 2:** 8V, 2A (16W)

Regulation: Voltage and current controlled **Response Time:** < 4 ms (80V channel) **Serial Interface:** RS 232C addressable, 50–19,200 bits/sec, device address 0–30 or UNL **Network Capacity:** Up to 30 instruments per PC port **Command Rate:** ~15 settings/sec, ~7 measurements/sec **IEEE 488:** Optional full-function interface **Analog Interface:** Monitor, auxiliary power, programmable outputs; trigger and setpoint inputs **AC Superposition:** Capable into kHz range **Protection:** Overvoltage, overcurrent, over-temperature; adjustable overcurrent shutdown 0.00–99.99 sec **Display:** Two 4-place multifunction (V, A, W) **Storage:** 243 programmable settings **Control:** Lockable elements; output ON/OFF via key, command, or trigger

Key Features

- Dual independent outputs for mixed-voltage test scenarios
- Minimal ripple for sensitive circuit characterization
- Addressable serial control allows multi-instrument coordination from single PC port
- Adjustable overcurrent timeout prevents nuisance shutdowns during transient loads
- Programmable trigger inputs for synchronized test sequencing

Typical Applications

- Multi-supply circuit validation and subsystem testing
- Automated test equipment (ATE) integration via RS 232C or IEEE 488
- Research and development of mixed-voltage electronic systems
- Component qualification under dual-supply conditions

Compatibility & Integration

RS 232C addressable interface with adjustable baud rate (50–19,200 bits/sec) and selectable device address (0–30) enables daisy-chain operation of up to 30 units. IEEE 488 option supports instrument control systems. Analog outputs and programmable trigger/setpoint inputs integrate into custom automation and data acquisition setups.

Features & description

From manufacturer datasheet

Features

- Model: 7KD2403-4G61
- Outputs: $2 \times (0-80 \text{ V} / 0-0.25 \text{ A}) + 1 \times (0-8 \text{ V} / 0-2 \text{ A})$ class
- Modes: CV/CC regulation per channel (Konstanter class)
- Multi-output Konstanter KD chassis
- Fine voltage/current adjustment; analog metering class
- Mains-powered AC laboratory supply (confirm nameplate voltage)
- Floating outputs typical of Konstanter multi-rail designs

7KD24034G61 Characteristics / Specifications

PARAMETER	VALUE
Model	7KD2403-4G61
Manufacturer	Gossen / Gossen Metrawatt
Instrument Type	Multi-Output Laboratory DC Power Supply
Family	Konstanter KD / 7KD
Alias	7KD2403-4G61; 2(80V .25A) + 8V 2A Electrical 2 × 80 V / 0.25 A + 8 V / 2 A Operational Notes Prefer unit nameplate and Gossen Konstanter KD documentation for exact regulation, ripple, and channel isolation. Confirm mains voltage before energizing.
Outputs	2 × (0–80 V / 0–0.25 A) + 1 × (0–8 V / 0–2 A) class
Modes	CV/CC regulation per channel (Konstanter class)

7KD24034G61 Specifications

PARAMETER	VALUE
Key Features	- Model: 7KD2403-4G61
Technical Specifications	Model: 7KD2403-4G61
Electrical	2 × 80 V / 0.25 A + 8 V / 2 A

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	7KD2403-4G61
Manufacturer	Gossen / Gossen Metrawatt
Instrument Type	Multi-Output Laboratory DC Power Supply
Family	Konstanter KD / 7KD
Alias	7KD2403-4G61; 2(80V .25A) + 8V 2A

Electrical

2 × 80 V / 0.25 A + 8 V / 2 A

Operational Notes

Prefer unit nameplate and Gossen Konstanter KD documentation for exact regulation, ripple, and channel isolation. Confirm mains voltage 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.