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Data Sheet

August 12, 2026

GOSSEN - METRAWATT

Gossen-Metrawatt Konstanter SIP 240-80 Stabilized DC Power Supply

The Gossen-Metrawatt Konstanter SIP 240-80 is a single-output stabilized DC power supply delivering 240 W nominal power for research, development, production, training, and service applications. Precise voltage and current adjustment via ten-turn potentiometers with settable limit ranges prevents unintended changes. The unit operates in constant voltage (CV) or constant current (CC) mode, with status indication via LEDs and open-collector signal outputs. Remote sensing, analog control interfaces, and digital trigger input enable flexible system integration. Over-temperature protection and comprehensive safety monitoring safeguard connected equipment. Compatibility & Integration Complies with IEC 61010-1:1990 + A1:1992, DIN EN 61010-1:1993, VDE 0411-1:1994, VDE 0160:1988 + A1:1989 Klasse W1, and EN 60950:1992. Open-collector signal outputs integrate with standard digital logic and relay



MODEL	CALIBRATION
Gossen-Metrawatt SLP 240-80	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
SIP 240-80	https://aumictechlabs.com/products/slp-240-80-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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limit ranges prevents unintended changes. The unit operates in constant voltage (CV) or constant current (CC) mode, with status indication via LEDs and open-collector signal outputs. Remote sensing, analog control interfaces, and digital trigger input enable flexible system integration. Over-temperature protection and comprehensive safety monitoring safeguard connected equipment.

Technical Specifications

Output voltage: 0 to 80 V
Output current: 0 to 6 A
Nominal power: 240 W
Input supply: 230 V AC $\pm 10\%$
Current monitoring (I-MON): 0–10 V output, 0–Inom correspondence ($R_i = 9.4 \text{ k}\Omega$)
Housing: 102 × 221.5 × 397.5 mm; 2.8 kg
Suitable for bench operation and 19" rack mounting

Key Features

Autoranging capability enables efficient power delivery across the full voltage and current range
Ten-turn potentiometers with limit ranges prevent inadvertent parameter drift
Dual status signal outputs: SIG1 (Output On/Off) and SIG2 (CV/CC mode indication), both open-collector, max. 30 V– / 20 mA
Trigger input (TRG IN) accepts digital control; potential-free, accepts 4–26 V (high) or <1 V (low)
Floating outputs at front (safety connectors) and rear (screw clamp) panels
Automatic remote sensing activation upon sensor cable connection
Rear-panel analog interface: 0–10 V control and 20 mA status outputs
Integral protective and self-monitoring functions prevent prototype damage
Over-temperature protection standard

Typical Applications

Laboratory research and prototype development
Component and subsystem testing
Production qualification and burn-in
Service and troubleshooting environments
Training installations

Compatibility & Integration

Complies with IEC 61010-1:1990 + A1:1992, DIN EN 61010-1:1993, VDE 0411-1:1994, VDE 0160:1988 + A1:1989 Klasse W1, and EN 60950:1992. Open-collector signal outputs integrate with standard digital logic and relay control systems. Analog 0–10 V interface suits both direct instrumentation and data acquisition systems. Proper fuse selection per technical data or serial plate marking is mandatory.

Features & description

From manufacturer datasheet

Features

- Stabilized Konstanter laboratory DC supply • SLP 240 family form factor • Model encoding indicates 80 V class
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Applications

- Laboratory and production DC power • Bench supply for higher-voltage Konstanter workflows

SLP240 Characteristics / Specifications

PARAMETER	VALUE
Model	SLP 240-80
Manufacturer	Gossen-Metrawatt
Instrument Type	Stabilized DC Power Supply
Alias	SIP 240-80; SLP 240-80; Gossen SLP 240-80
Series	Konstanter SLP 240
Voltage class	80 V
Type	Stabilized DC laboratory power supply Notes Detailed current, power, ripple, and programming tables were not verified from a primary OEM datasheet for this exact SKU. Confirm faceplate voltage/current ratings and any interface options on the unit.

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	SLP 240-80
Manufacturer	Gossen-Metrawatt
Instrument Type	Stabilized DC Power Supply
Alias	SLP 240-80; SLP 240-80; Gossen SLP 240-80

Specifications

PARAMETER	VALUE
Series	Konstanter SLP 240
Voltage class	80 V
Type	Stabilized DC laboratory power supply

Notes

Detailed current, power, ripple, and programming tables were not verified from a primary OEM datasheet for this exact SKU. Confirm faceplate voltage/current ratings and any interface options on the unit.

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.