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Data Sheet

August 13, 2026

GW INSTEK

GW Instek GPR-1810 Linear DC Power Supply

Key Features - Internal select for continuous or dynamic load - Overload and reverse-polarity protection - Dual 3 1/2-digit 0.5 inch LED display - GTL-104A test lead (10 A class) - Family peers: GPR-3060D (30 V/6 A) and GPR-6030D (60 V/3 A) Technical Specifications Model: GPR-1810HD Manufacturer: GW Instek Instrument Type: Linear DC power supply Series: GPR-M Alias: GPR1810HD; GPR-1810 Rated power: 180 W Output voltage: 0 to 18 V Output current: 0 to 10 A CV line regulation: 0.01% + 3 mV or less CV load regulation under 10 A: 0.01% + 5 mV or less CV load regulation 10 A or greater: 0.02% + 5 mV or less CV ripple noise: 1 mVrms or less, 5 Hz to 1 MHz Recovery time: 100 us or less (50% load change, minimum load 0.5 A) CV output range: 0 to rating voltage, continuously adjustable CC line regulation: 0.2% + 3 mA or less CC load regulation: 0.

**MODEL****GW Instek GPR-1810****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****GPR-1810****LISTING**<https://aumictechlabs.com/products/gpr-1810-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The GW Instek GPR-1810 is a single output, 18V/10A, 180W, analog controlled DC power supply, with overload and reverse polarity protection. This power supply provides reliable and stable voltage for a variety of electronic testing and development applications. The GPR series is equipped with overload protection and reverse polarity protection. The GPR series provides high

resolution and high stability. This model features constant voltage and constant current operation and easy to read analog meters.

Features & description

From manufacturer datasheet

Features

- Internal select for continuous or dynamic load
- Overload and reverse-polarity protection
- Dual 3 1/2-digit 0.5 inch LED display
- GTL-104A test lead (10 A class)
- Family peers: GPR-3060D (30 V/6 A) and GPR-6030D (60 V/3 A)

GPR1810 Characteristics / Specifications

PARAMETER	VALUE
Model	GPR-1810HD
Manufacturer	GW Instek
Instrument Type	Linear DC power supply
Series	GPR-M
Alias	GPR1810HD; GPR-1810
Rated power	180 W
Output voltage	0 to 18 V
Output current	0 to 10 A
CV line regulation	0.01% + 3 mV or less
CV load regulation under 10 A	0.01% + 5 mV or less
CV load regulation 10 A or greater	0.02% + 5 mV or less
CV ripple noise	1 mVrms or less, 5 Hz to 1 MHz
Recovery time	100 us or less (50% load change, minimum load 0.5 A)
CV output range	0 to rating voltage, continuously adjustable
CC line regulation	0.2% + 3 mA or less
CC load regulation	0.2% + 3 mA or less
CC ripple current	3 mArms or less
CC output range	0 to rating current, continuously adjustable
Meter type	3 1/2 digits 0.5 inch LED
Meter accuracy	±(0.5% of reading + 2 digits)
Insulation chassis terminal	20 Mohm or above at DC 500 V
Insulation chassis AC cord	30 Mohm or above at DC 500 V
AC power	100/120/220/240 V ±10%, 50/60 Hz
Dimensions	254 mmWx 152 mmHx 349 mmDWeight: 11.5 kg
Accessories	user manual, power cord, GTL-104A test lead

PARAMETER	VALUE
Spec condition	30 minutes warm-up, +20 C to +30 C

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	
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Notes

Specs from GW Instek GPR-M specification sheet, GPR-1810HD row. Confirm HD suffix on the faceplate. Do not confuse with GPR-U high-power 18 V models (for example GPR-1850HD 50 A class) or GPC-1850D (triple output).

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.