

**Aumictech**

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Data Sheet

August 14, 2026

INSTEK/GW

GW Instek GPC-1850 Triple Output DC Supply

Aumictech offers NIST-traceable calibration and repair for the Instek/GW GPC1850. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Instek/GW GPC1850 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units. NIST-traceable calibration for the Instek/GW GPC1850 is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →



MODEL

**Instek/GW
GPC1850**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

GPC1850

LISTING

<https://aumictechlabs.com/products/gpc1850-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Instek GPC-1850 is a single-channel, 180W, DC power supply. It features constant voltage (CV) and constant current (CC) modes, with voltage adjustable from 0-18V and current from 0-5A. Equipped with overload protection. The GPC-1850 provides reliable power for various electronic applications.

GPC1850 Characteristics / Specifications

PARAMETER	VALUE
CH1 CH2 Voltage Range	0 to 18 V
CH1 CH2 Current Range	0 to 5 A
CH3 Fixed Output	5 V / 3 A max
Independent Mode	two independent outputs and 5 V fixed
Series Mode Voltage	0 to double rating volts at rating amperes
Parallel Mode Current	0 to double rating amperes at rating volts
Rated Power Class	195 W
CV Line Regulation	less than or equal to 0.01% + 3 mV
CV Load Regulation	less than or equal to 0.01% + 5 mV (rating current less than or equal to 10 A class tables)
CV Ripple and Noise	less than or equal to 1 mVrms, 5 Hz to 1 MHz
Recovery Time	less than or equal to 100 us (50% load change, minimum load 0.5 A)
CC Line Regulation	less than or equal to 0.2% + 3 mA
CC Load Regulation	0.2% + 3 mA (GPC-1850 / GPC-1850D)
CC Ripple Current	less than or equal to 3 mArms
CH3 Line Regulation	less than or equal to 5 mV
CH3 Load Regulation	less than or equal to 10 mV
CH3 Ripple and Noise	less than or equal to 2 mVrms
CH3 Voltage Accuracy	5 V plus or minus 0.25 V
CH3 Output Current	3 A
Tracking Error	less than or equal to 0.5% + 10 mV of the master
Series Regulation Tracking	less than or equal to 300 mV
Meter Type	3 1/2 digits 0.5 inch LED display
Meter Accuracy	plus or minus (0.5% of reading + 2 digits)
Insulation Chassis and Terminal	20 MOhm or above at DC 500 V
Insulation Chassis and AC Cord	30 MOhm or above at DC 500 V

PARAMETER	VALUE
Power Source	AC 100 V/120 V/220 V/240 V plus or minus 10%, 50/60 Hz
Dimensions	255 W x 145 H x 346 D mm (GPC family datasheet)
Weight	11.5 kg (GPC-1850 / GPC-1850D ordering table)
Series Independent Rating Example	36 V / 5 A in series mode table
Parallel Independent Rating Example	18 V / 10 A in parallel mode table

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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Independent Mode	two independent outputs and 5 V fixed
Series Mode Voltage	0 to double rating volts at rating amperes
Parallel Mode Current	0 to double rating amperes at rating volts
Rated Power Class	195 W
CV Line Regulation	less than or equal to 0.01% + 3 mV
CV Load Regulation	less than or equal to 0.01% + 5 mV (rating current less than or equal to 10 A class tables)
CV Ripple and Noise	less than or equal to 1 mVrms, 5 Hz to 1 MHz
Recovery Time	less than or equal to 100 us (50% load change, minimum load 0.5 A)
CC Line Regulation	less than or equal to 0.2% + 3 mA
CC Load Regulation	0.2% + 3 mA (GPC-1850 / GPC-1850D)
CC Ripple Current	less than or equal to 3 mArms
CH3 Line Regulation	less than or equal to 5 mV
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Power Source	AC 100 V/120 V/220 V/240 V plus or minus 10%, 50/60 Hz
Dimensions	255 W x 145 H x 346 D mm (GPC family datasheet)
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Series Independent Rating Example	36 V / 5 A in series mode table
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Notes

GPC-1850 / GPC-1850D is the digital-meter triple-output model corresponding to catalog references sometimes shortened as GPC-1850. Values are from GW Instek GPC Series datasheet tables. Faceplate and calibration certificate remain authoritative for a specific 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.