

**Aumictech**

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Data Sheet

August 13, 2026

INSTEK/GW

GW Instek GPR-7510HD High Power DC Supply

Alias: GPR7510HD; GPR-7510HDA / GPR-7510HDC variants 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: 2 mVrms or less, 5 Hz to 1 MHz



MODEL

Instek/GW GPR-7510HD

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

GPR-7510HD

LISTING

<https://aumictechlabs.com/products/gpr-7510hd-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Instek GPR-7510HD is a high-resolution, programmable DC power supply range of applications. With its 0-75V output voltage range and 0-10A output current range, it can provide up to 375W of power. It is equipped with over-voltage protection (OVP), over-current protection (OCP), and over-temperature protection (OTP) to safeguard the power supply and the connected load. The GPR-7510HD is an ideal choice for demanding applications requiring a reliable and precise DC power source.

Features & description

From manufacturer datasheet

Features

- Ten-turn voltage and current controls
- Built-in overvoltage and overcurrent tripped crowbar
- Rear output with remote sense (required for specified performance)
- Overload and reverse-polarity protection
- Dual 3 1/2-digit 0.5 inch LED meters
- GPR-U family also covers 8 V/75 A through 1000 V/0.5 A specials

GPR7510HD Characteristics / Specifications

PARAMETER	VALUE
Model	GPR-7510HD
Manufacturer	GW Instek
Instrument Type	Linear DC power supply
Series	GPR-U
Alias	GPR7510HD; GPR-7510HDA / GPR-7510HDC variants
Output voltage	0 to 75 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	2 mVrms or less, 5 Hz to 1 MHz
Recovery time	100 us or less (50% load change, minimum load 0.5 A)
Temperature coefficient	300 ppm perCor less
OVP setting	15% to 105% of rated voltage, continuously adjustable
CC line regulation	0.2% + 3 mA or less
CC load regulation	0.2% + 5 mA or less
CC ripple 20 A or less	5 mArms or less
CC ripple 50 A or less	20 mArms or less
CC ripple 100 A or less	100 mArms or less
Meter type	3 1/2 digits 0.5 inch red LED, dual
Meter accuracy	±(0.5% of reading + 2 digits)
Voltage meter FS	199.9 V (rating voltage 180 V or less)
Current meter FS	19.99 A (rating current 18 A or greater)
Insulation chassis terminal	100 Mohm or above at DC 1000 V
Insulation chassis AC cord	100 Mohm or above at DC 1000 V

PARAMETER	VALUE
AC power	120 V ±10%, 50/60 Hz (220 V or 240 V order made)
Operating temperature	0 C to 40 C, less than 80% RH
Storage temperature	−10 C to 70 C, less than 70% RH
Dimensions	430 mmWx 178 mmHx 572 mmDWeight: 29.5 kg
Accessories	user manual; GTL-104 test lead (units 10 A or less); no test lead if current greater than 10 A or voltage greater than 600 V
Spec condition	30 minutes warm-up, +20 C to +30 C; rear-panel terminals

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	−10 C to 70 C, less than 70% RH
Operating temperature	0 C to 40 C, less than 80% RH
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Dimensions	430 mmWx 178 mmHx 572 mmDWeight: 29.5 kg
Accessories	user manual; GTL-104 test lead (units 10 A or less); no test lead if current greater than 10 A or voltage greater than 600 V
Spec condition	30 minutes warm-up, +20 C to +30 C; rear-panel terminals Notes Specs from GW Instek GPR-U Series user manual. GPR-7510HD is the 75 V / 10 A row of Table 1 (29.5 kg). Related HDA/HDC suffixes change fan/weight; confirm suffix and AC voltage on the rear panel. Specs are valid at rear terminals with remote sense when using front terminals or long cables.

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.

performance)

- Overload and reverse-polarity protection
- Dual 3 1/2-digit 0.5 inch LED meters
- GPR-U family also covers 8 V/75 A through 1000 V/0.5 A specials

Technical Specifications

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Insulation chassis terminal	100 Mohm or above at DC 1000 V

PARAMETER	VALUE
Insulation chassis AC cord	100 Mohm or above at DC 1000 V
AC power	120 V $\pm 10\%$, 50/60 Hz (220 V or 240 V order made)
Operating temperature	0 C to 40 C, less than 80% RH
Storage temperature	-10 C to 70 C, less than 70% RH
Dimensions	430 mmWx 178 mmHx 572 mmDWeight: 29.5 kg
Accessories	user manual; GTL-104 test lead (units 10 A or less); no test lead if current greater than 10 A or voltage greater than 600 V
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Notes

Specs from GW Instek GPR-U Series user manual. GPR-7510HD is the 75 V / 10 A row of Table 1 (29.5 kg). Related HDA/HDC suffixes change fan/weight; confirm suffix and AC voltage on the rear panel. Specs are valid at rear terminals with remote sense when using front terminals or long cables.

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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NIST-traceable calibration · SAM registered ·
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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.