

Power Supplies

Instek GPR-30H10D GPR-H SERIES (Digital Type)



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The GPR-H SERIES have single high-power adjustable outputs.

Features:

- 0.01% High Resolution
- Constant Voltage and Constant Current Operation
- Internal Select for Continuous or Dynamic Load
- Low Ripple and Noise
- Overload and Reverse Polarity Protection
- 3½ Digit 0.5" LED Displays Showing Voltage and Current

Model	Output Volts (V)	Output Amps (A)
GPR-0830HD	0 ~ 8	0 ~ 30
GPR-1820HD	0 ~ 18	0 ~ 20
GPR-3510HD	0 ~ 35	0 ~ 10
GPR-6060D	0 ~ 60	0 ~ 6
GPR-7550D	0 ~ 75	0 ~ 5
GPR-11H30D	0 ~ 110	0 ~ 3
GPR-30H10D	0 ~ 300	0 ~ 1

Accessories

Specifications

Constant Voltage Operation

Line Regulation:	$\leq 0.01\% + 3\text{mV}$
Load Regulation:	$\leq 0.01\% + 5\text{mV}$ (rating current $< 10\text{A}$)
Load Regulation:	$\leq 0.02\% + 5\text{mV}$ (rating current $\geq 10\text{A}$)
Ripple and Noise:	$\leq 1\text{mVrms}$ 5Hz ~ 1MHz
Recovery Time:	$\leq 100\mu\text{s}$ (50% load change, minimum load 0.5A)
Output Range:	0V to rated voltage, continuously adjustable

Constant Current Operation

Line Regulation:	$\leq 0.2\% + 3\text{mA}$
Load Regulation:	$\leq 0.2\% + 3\text{mA}$
Ripple Current:	$\leq 5\text{mA}_{\text{rms}}$ ($\leq 20\text{A}$), $\leq 20\text{mA}_{\text{rms}}$ ($\leq 50\text{A}$)
Output Range:	0A to rated current, continuously adjustable

Meter

Meter Type:	Dual 3½ digit 0.5" LED display
Accuracy:	$\pm(0.5\%$ of reading + 2 digits)

Insulation

Chassis and Terminal:	100M Ω or above (1000V DC)
Chassis and AC Cord:	100M Ω or above (1000V DC)

Other Details

Power Source:	AC 100V/120V/220V/240V $\pm 10\%$, 50/60Hz
Accessories:	Power cord x 1, Instruction manual x 1, Test lead (type GTL-105 with GPR-30H10D and GPR-11H30D, type GTL-104 with GPR-7550D and GPR-6060D, not supplied with other models) x 1
Dimensions:	255mm (w) x 145mm (h) x 420mm (d)
Weight:	18.5kg (13.5kg for GPR-11H30D and GPR-30H10D)