Unless otherwise specified, output current: ±0.1 A

LP5394 SPECIFICATIONS

Output voltage	0 to ±15 V
Voltage setting range	Set with the VOLTAGE RANGE switch on the front panel Setting range 3 V 0 to ±3 V Setting range 5 V 0 to ±5 V Setting range 10 V 0 to ±10 V Setting range 15 V 0 to ±15 V
Voltage setting method	Set with the adjuster on the front panel (VOLTAGE ADJUST dial that turns in 10 turns) The voltage can be adjusted from 0 V to the full-scale The full-scale voltage is output when in dial setting 10. The minimum scale on the dial is 0.2% of the full-scale voltage
Voltage setting accuracy	±1% of full-scale voltage in dial settings 1 to 10 0 ±20 mV in dial setting 0
Maximum current	±0.1 A
Output ON/OFF	Set with the front panel switch
Voltage meter	Class 2.5, full-scale 15 V with POLARITY switch
Output monitor	Set with the MONITOR terminal on the front panel (Zout = 1 kΩ)
Input regulation	Within ±3.5 mV (for power supply ±10%)
Load regulation	Within ±10 mV (load 0% reference for load 0 to 100%)
Ripple noise	10 μVrms or lower (typ.) (load 0 to 100%, bandwidth 10 Hz to 20 MHz)
Output voltage temperature coefficient*1	±10 ppm/°C (typ.)
Time drift*1	±40 ppm (typ.) (8 hours after warm-up)
Output connector	HR10-7R-4S (73) (on the front panel) Hirose Electric
Input voltage	AC 100, 120, 220 and 240 V (selector switch) ±10% However, AC 250 V or lower
Frequency	50 Hz/60 Hz ±2 Hz
Power consumption	25 VA or lower
Overvoltage category	II
Insulation resistance	Between all power inputs and chassis 50 MΩ or more (with DC 500 V) Between all power inputs and outputs 50 MΩ or more (with DC 500 V) Between output GND and chassis 10 MΩ
Withstanding voltage	Between all power inputs and chassis AC 1500 V for 1 minute Between all power inputs and outputs AC 1500 V for 1 minute Between output GND and chassis ±42 Vpk (DC + ACpeak)
Protection functions	Overcurrent protection Drooping characteristic (approx. 0.15 A) self-recovery type Overcurrent status indication By the front panel +OCP LED and -OCP LED Overheat protection Output is turned off at an internal temperature of approx. 75°C Overheat status indication Front panel OUTPUT OFF LED flashes (self-recovery)
Operating temperature range	0 to +50 °C (day's average temperature 40 °C or lower)
Operating humidity range	25 to 80% RH absolute humidity 1 to 25 g/m³, non-condensation
Storage temperature range	−10 to +50 °C (day's average temperature 40 °C or lower)
Storage humidity range	25 to 80% RH absolute humidity 1 to 29 g/m³, non-condensation
Cooling method	Natural convection cooling
Pollution degree	2 (indoor use)
Warm-up time	30 minutes
Dimensions (mm)	107(W)×86(H)×330(D) (without protrusions)
Weight	Approx. 1.75 kg (without accessories)
RoHS	Directive 2011/65/EU
EMC	EN 61326-1: 2013 (Group 1, Class A) EN 61000-3-2 : 2006 + A1 : 2009 + A2 :2009 EN 61000-3-3 : 2013
Safety	EN 61010-1 : 2010
Accessories	Power cord set (3 pole, 2 m), Fuse (100 V/120 V : 0.315 A or 220 V/240 V : 0.125 A) (Time-lag, ϕ5.2 x 20 mm), Instruction manual

*1 For the full-scale voltage of the range.

LP5393 SPECIFICATIONS

Output voltage	±12V to ±15V
Voltage setting	±15 V ±1% when adjuster turned all the way to right ±12 V ±1% when adjuster turned all the way to left
Voltage setting method	Set with the front panel adjuster
Maximum current	±0.1 A
Output ON/OFF	Set with the front panel switch
Output monitor	Set with the MONITOR terminal on the front panel (Zout = 1 kΩ)
Input regulation	Within ±3.5 mV (for power supply ±10%)
Load regulation	Within ±15 mV (load 0% reference for load 0 to 100%)
Ripple noise	10 μVrms or lower (typ.) (load 0 to 100%, bandwidth 10 Hz to 20 MHz)
Output voltage temperature coefficient	±20 ppm/°C (typ.)
Time drift	±50 ppm (typ.) (8 hours after warm-up)
Output connector	HR10-7R-4S (73) (on the front panel) Hirose Electric
Input voltage	AC 100, 120, 220 and 240 V (selector switch) ±10% However, AC 250 V or lower
Frequency	50 Hz/60 Hz ±2 Hz
Power consumption	25 VA or lower
Overvoltage category	II
Insulation resistance	Between all power inputs and chassis 50 MΩ or more (with DC 500 V) Between all power inputs and outputs 50 MΩ or more (with DC 500 V) Between output GND and chassis 10 MΩ
Withstanding voltage	Between all power inputs and chassis AC 1500 V for 1 minute Between all power inputs and outputs AC 1500 V for 1 minute Between output GND and chassis ±42 Vpk (DC + ACpeak)
Protection functions	Overcurrent protection Drooping characteristic (approx. 0.15 A) self-recovery type Overcurrent status indication By the front panel +OCP LED and -OCP LED Overheat protection Output is turned off at an internal temperature of approx. 75°C Overheat status indication Front panel OUTPUT OFF LED flashes (self-recovery)
Operating temperature range	0 to +50 °C
Operating humidity range	5 to 85% RH absolute humidity 1 to 25 g/m³, non-condensation
Storage temperature range	−10 to +60 °C
Storage humidity range	5 to 95% RH absolute humidity 1 to 29 g/m³, non-condensation
Cooling method	Natural convection cooling
Pollution degree	2 (indoor use)
Warm-up time	30 minutes
Dimensions (mm)	107(W)×86(H)×330(D) (without protrusions)
Weight	Approx. 1.7 kg (without accessories)
RoHS	Directive 2011/65/EU
EMC	EN 61326-1: 2013 (Group 1, Class A) EN 61000-3-2 : 2006 + A1 : 2009 + A2 :2009 EN 61000-3-3 : 2013
Safety	EN 61010-1 : 2010
Accessories	Power cord set (3 pole, 2 m), Fuse (100 V/120 V : 0.315 A or 220 V/240 V : 0.125 A) (Time-lag, ϕ5.2 x 20 mm), Instruction manual

Note: The contents of this catalog are current as of November 6th, 2024
- Products appearance and specificaitons are subject to change without notice.
- Before purchase contact us to confirm the latest specifications, price and delivery date.

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