Unless otherwise specified, output current: ±0.1 A

LP5394	SPECIFICATIONS

LP5394	LP5394 SPECIFICATIONS	
Output voltage	0 to ±15 V	
Voltage setting	Set with the VOLTAGE RANGE switch on the front panel	
range	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	Set with the adjuster on the front panel	
method	(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	±1 % of full-scale voltage in dial settings 1 to 10	
accuracy	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 k Ω)	
-		
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 tem-	±10 ppm/°C (typ.)	
perature coefficient*1 Time drift*1		
	±40 ppm (typ.) (8 hours after warm-up)	
Output connector	HR10-7R-4S (73) (on the front panel)	
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	Between all power inputs and chassis 50 M Ω or more (with DC 500 V)	
resistance	Between all power inputs and outputs 50 M Ω or more (with DC 500 V)	
	Between output GND and chassis 10 MΩ	
Withstanding	Between all power inputs and chassis AC 1500 V for 1 minute	
voltage	Between all power inputs and outputs AC 1500 V for 1 minute	
	Between output GND and chassis ±42 Vpk (DC + ACpeak)	
Protection	Overcurrent protection	
functions	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 tem-	· · · · · · · · · · · · · · · · · · ·	
perature range	0 to +50 °C (day's average temperature 40 °C or lower)	
Operating	25 to 80 %RH	
humidity range	absolute humidity 1 to 25 g/m³, non-condensation	
Storage temper-		
ature range	-10 to +50 °C (day's average temperature 40 °C or lower)	
Storage humidity	25 to 80 %RH	
range	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	
7,0000001160	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 SI	PECIFICATIONS
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 adjustment 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 MH
Output voltage tem- perature 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)
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	
Insulation	Between all power inputs and chassis 50 M Ω or more (with DC 500 V
resistance	Between all power inputs and outputs 50 M Ω or more (with DC 500 V
	Between output GND and chassis 10 M Ω
Withstanding	Between all power inputs and chassis AC 1500 V for 1 minute
voltage	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
Operating tem-	Front panel OUTPUT OFF LED flashes (self-recovery)
perature range	0 to +50 °C
Operating	5 to 85 %RH
humidity range	absolute humidity 1 to 25 g/m³, non-condensation
Storage temperature range	-10 to +60 °C
Storage humidity range	5 to 95 %RH
Cooling method	absolute humidity 1 to 29 g/m³, non-condensation 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
	LIT 0 1000 U L. LUUUTATI. LUUUTALLUUU
	EN 61000-3-3: 2013
	EN 61000-3-3: 2013 EN 61010-1: 2010
Safety Accessories	EN 61000-3-3: 2013 EN 61010-1: 2010 Power cord set (3 pole, 2 m), Fuse (100 V/120 V: 0.315 A or

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Note: The contents of this catalog are current as of June 29, 2015

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