

SPECIFICATIONS

	LP6016-01	LP6016-01P
Output voltage	+ : 0.0000 V to +16.1000 V - : 0.0000 V to -16.1000 V	V1: 0.0000V to +16.1000V V2: 0.0000V to +16.1000V
Setting resolution	0.0005 V (500 μ V)	
Setting accuracy	\pm (0.03% of Setting value +250 μ V) Ambient temperature 23°C \pm 5°C	
Temperature coefficient	\pm 10 ppm/°C typical	
Maximum current	\pm 100 mA (Output Voltage \geq 1V, 0 to 50°C) \pm 100 mA (Output Voltage < 1V, 0 to 40°C) \pm 90 mA (Output Voltage < 1V, 40 to 50°C)	
Settling time	100 ms (with no load)	
Line regulation	Within \pm 0.1 mV (for supply voltage \pm 10%)	
Load regulation	Within \pm 5 mV (load 0% reference for 0 to 100%)	
Ripple noise	10 μ Vrms or lower typical (load 0 mA to 100 mA, bandwidth: 10 Hz to 20 MHz)	
Time drift	\pm 40 ppm (typical, 8 hours after warm-up)	
Output connector	BNC (receptacle)	
Current monitor	Feature	Voltage output is 1 V/100 mA times the absolute value of output current.
	Accuracy	\pm (1%+1.5 mA) (23°C \pm 5°C) \pm (1%+2.0 mA) (0°C to 50°C)
	Output impedance	1 k Ω
	Output connector	BNC (receptacle)
Power source	Voltage	AC 100, 120, 220 and 240 V (selector switch) \pm 10% (AC250 V or lower)
	Frequency	50 Hz/60 Hz \pm 2 Hz
	Power consumption	28 VA or lower
Overvoltage category	II	
USB	USB2.0 full speed, Device Class CDC	
RS-232	Baud rate : 9600/19200/38400/57600bps	
LAN	10 BASE-T/100BASE-TX, TCP/IP	

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Insulation resistance	Between all power inputs and chassis : 50 M Ω or more (with DC 500 V)	
	Between all power inputs and outputs : 50 M Ω or more (with DC 500 V)	
	Between output GND (COM) and chassis: 10 M Ω	
Withstanding voltage	Between all power inputs and "outputs/chassis": AC 1500 V for 1 minute	
	Between output GND (COM) and chassis: \pm 42 Vpk (DC + AC peak)	
Overcurrent protection	"OCP" is signed on the display when exceeding about 100 mA. Drooping characteristic (approx. 150 mA, self recovery type)	
Overheat protection	Output is turned off when an internal temperature exceeds threshold "OHP" is signed on the display	
Operating temperature/ humidity range	Temperature : 0°C to +50°C	
	Humidity : 5 % to 85 %RH, Absolute humidity: 1 g/m ³ to 25 g/m ³ Non-condensation	
Storage temperature/ humidity range	Temperature : -10°C to +60°C	
	Humidity : 5 % to 95 %RH, Absolute humidity: 1 g/m ³ to 29 g/m ³ Non-condensation	
Pollution degree	2 (indoor use)	
Warm-up time	60 minutes	
Dimensions (mm)	215×86×330 (without protrusions)	
Weight	Approx. 3.5 kg (without accessories)	
RoHS	Directive 2011/65/EU	
EMC	EN 61326-1:2013	
	EN 61000-3-2:2014	
	EN 61000-3-3:2013	*Available soon for LP6016-01P
Safety	EN 61010-1:2010	*Available soon for LP6016-01P
Accessories	Power cord set (3 pole, 2 m), Fuse (spare), Instruction manual	