

Description

The LWP-PS3 power supply is designed to be a The LWP-PS3 has been designed for ease of use, simple-to-use quantum cascade laser (QCL) driver. and includes an integrated current monitoring The front panel has a 4.3" touch sensitive display output, a 5 V TTL output synchronization signal, and scroll wheen to adjust the pulse width, and a TTL compatible gating input signal. The frequency and amplitude. The high, 100 V, LWP-PS3 is programmable via standard USB maximum voltage allows driving of QCL devices, virtual serial port. This architecture allows any which typically require higher voltages than other software capable of using a serial port, to address semiconductor lasers.

the LWP-PS3.

AC Voltage Range	100 - 125 / 200 - 240 V
Rated Frequency	50 - 60 Hz
Rated Current	120 V/5 A – 240 V/ 2.5 A
Interface/Control	Manual or USB/Virtual Serial Port
Pulse Output Amplitude	8 to 100 V
Duty Cycle	Up to 50%
Pulse Width	400ns to 5 ms
Pulse Repetition Rate	100 Hz to 500 kHz
Output Impedance	Switchable 1 $\Omega/25 \Omega$
Gate Input	TTL (0 to 5 V) input, output enabled when high
Sync Output	Synchronous with output pulse, 0 to 5 V
Current Monitor	Conversion factor is 1 A/V
Connectors	BNC female