



PS-5-M



DEVICE

Compact $\pm 5V$ Power Supply for Photonics Lab

OVERVIEW

The Optilab PS-5-M is a $\pm 5V$ DC power supply for photonics lab with integrated RS233 and USB communication interface. It is compatible with most Optilab module products requiring $\pm 5V$ DC power, such as lightwave transmitter modules and wavelength tunable laser modules. PS-5-M can transform 85V - 264V wide AC voltage into $\pm 5V$ DC voltage within less than 2% ripple and output via a DB-15 connector and an extra 4-pin connector as the DC output terminal. The DB-9 or USB connector provides easy communication connection to control the functions of the target module. PS-5-M also can be used as a general 5 VDC power supply for photonics modules.

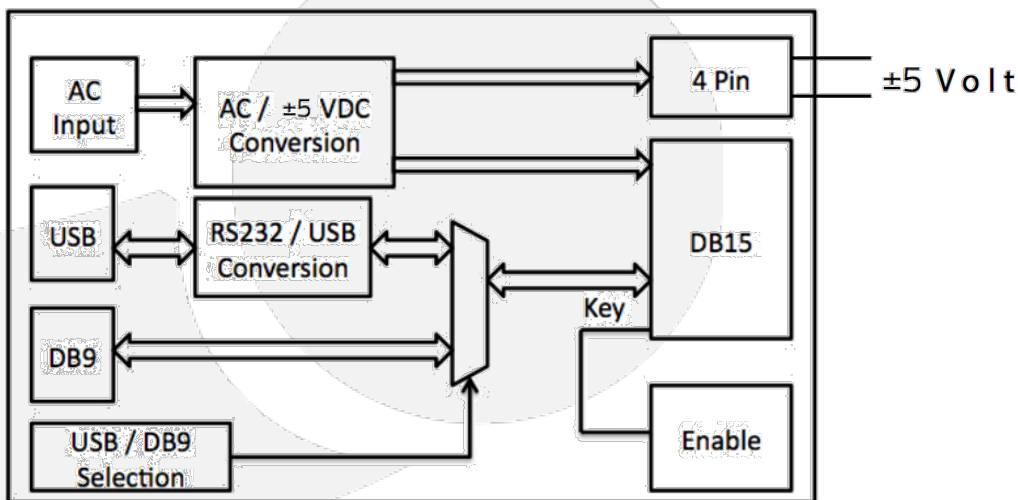
FEATURES

- High conversion efficiency
- Low ripple noise
- Up to 2A current
- Independent $\pm 5V$ DC Output
- Dual interface RS233 and USB
- Switchable Communication interface
- Input voltage range 85 to 264 VAC
- High efficiency of $>85\%$
- Space size 1.3" x 4.5" x 6.5"
- Lightweight < 0.5 kg

USE IN

- $\pm 5V$ DC power supply for EDFA-PA-M and RP-M
- General purpose for photonics modules
- Replacing large and low efficiency laboratory power supplies

FUNCTIONAL DIAGRAM





PS-5-M

SPECIFICATIONS

Input AC Voltage	85 - 264 VAC
Input AC Current	≤ 0.5 A
Input AC Frequency	50 - 60 Hz
Transfer Efficiency	≤ 85%
DC Output Current	≤ 2.1 A
DC Output Voltage	± 5.0 V ± 0.25 Volt
DC Voltage Ripple	≤ 2%
DC Power Output Connectors	DB - 15 and 2*2 PIN
Communication Connectors	DB - 9 and USB 2.0

GENERAL

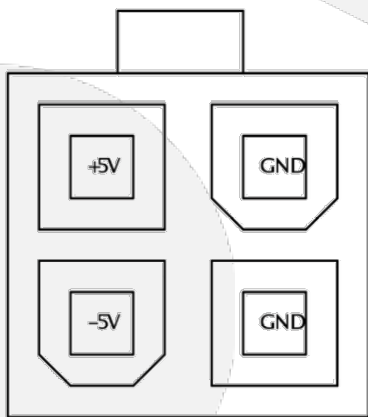
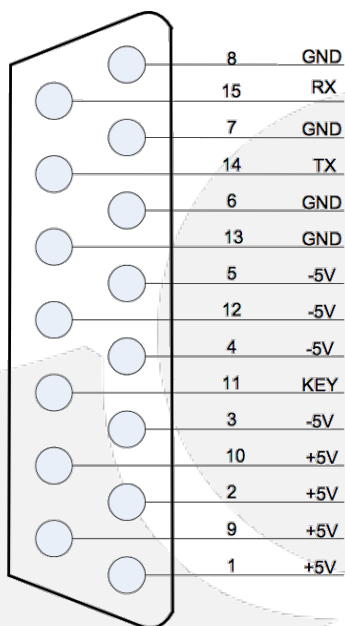
MECHANICAL

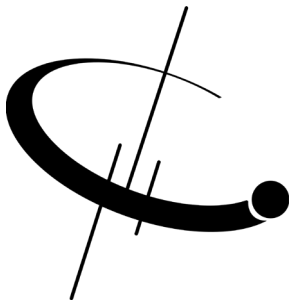
Operating Temperature	-10 °C to +70 °C
Storage Temperature	-40 °C to +85 °C
Operating Humidity	≤ 85%
Dimensions	153 mm x 115 mm x 33 mm
Weight	0.5 kg

ELECTRICAL PIN OUT

DB-15 Female Connector

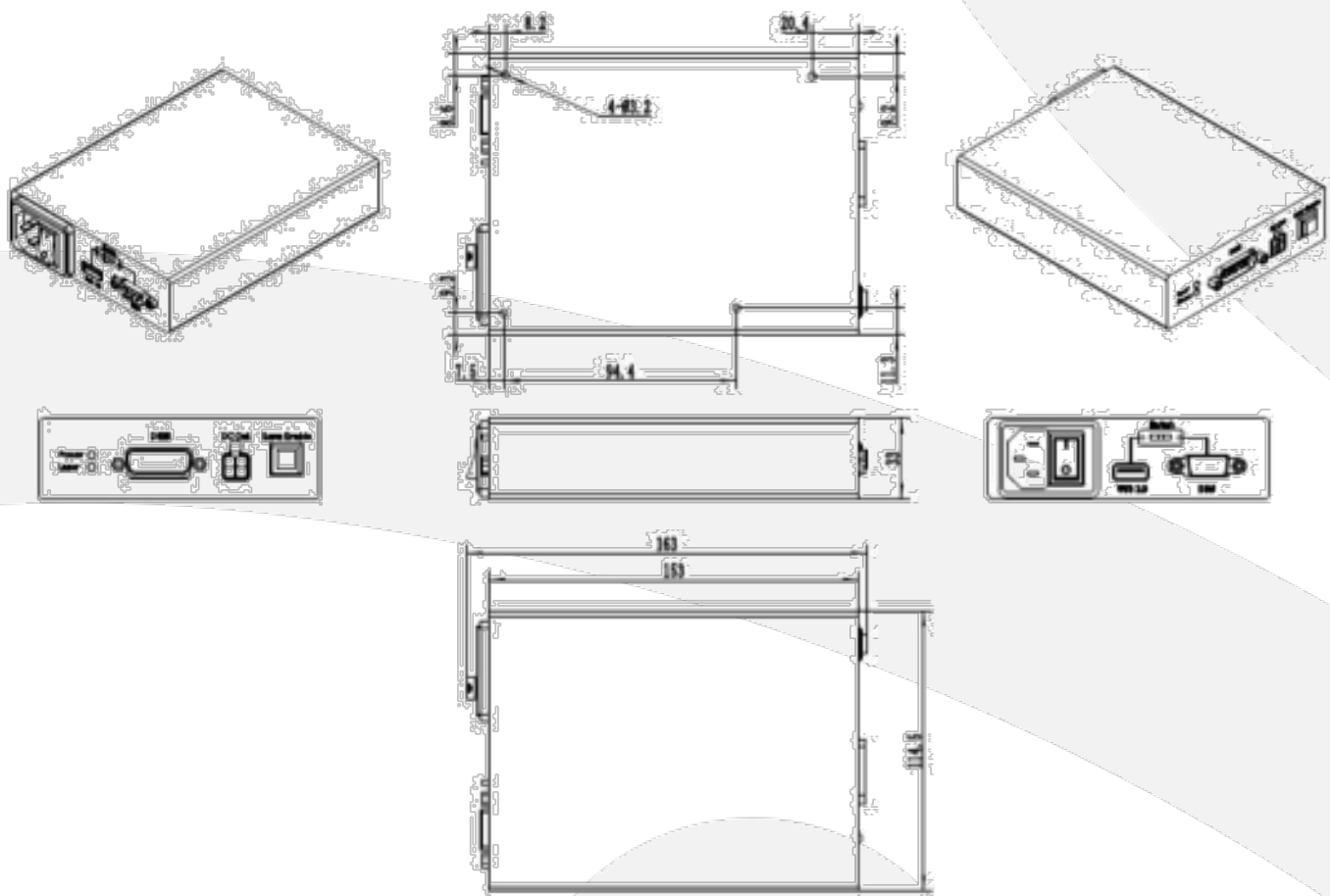
4 Pin Male Connector





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MECHANICAL DRAWING



optilab