

Technical Data Sheet

fpu³⁵

finesse power supply and controller



The **fpu35** is more than just a PSU, it is an integral part of the finesse laser system. The **fpu35** houses the diode and fibre assembly, monitors component temperatures in the laser head, automatically maintains laser output power and provides diagnostic analysis. It is a highly advanced, fully featured unit.

Specifications

supply

voltage 100, 120, 240 AC
frequency 47 - 63 Hz

operation

operating temperature 15 - 35 deg C
power consumption finesse4: 150 W*
finesse6: 230 W**

connections

mains 3-pin IEC, fused
fibre input SMA
remote interlock 15-way D-type
RS232 9 way D-type
umbilical 25 way D-type

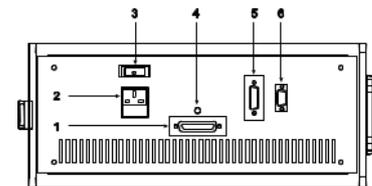
Features

RS232 control
power feedback control
large LCD
silent operation
compact, low-profile design

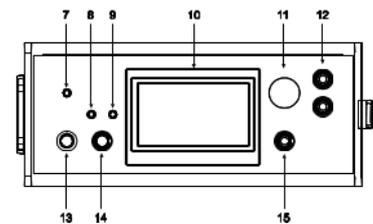
Available for

finesse

* 4 W optical output, ambient temperature 22 deg C
** 6 W optical output, ambient temperature 22 deg C



- | | | |
|--------------|-------------------|-------------------|
| 1. umbilical | 7. power LED | 13. key switch |
| 2. IEC power | 8. ready LED | 14. enable button |
| 3. power I/O | 9. enabled LED | 15. shutter |
| 4. SMA fibre | 10. LCD | |
| 5. RS232 | 11. jog wheel | |
| 6. interlock | 12. menu controls | |



Dimensions L: 360mm, W: 380mm, H: 165mm including feet.

weight: 7 kg

Allow 100mm clearance at rear for bend radius of umbilical.
Drawings not to scale.
Laser Quantum has a policy of continuous improvement, therefore specifications are subject to change without notice.

Laser Quantum's scientific and industrial lasers are certified to comply with:
IEC 60825 and Federal regulations (21 CFR - subchapter J) as administered by CDRH on shipments ordered after August 2 1976.

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