

# PDSR

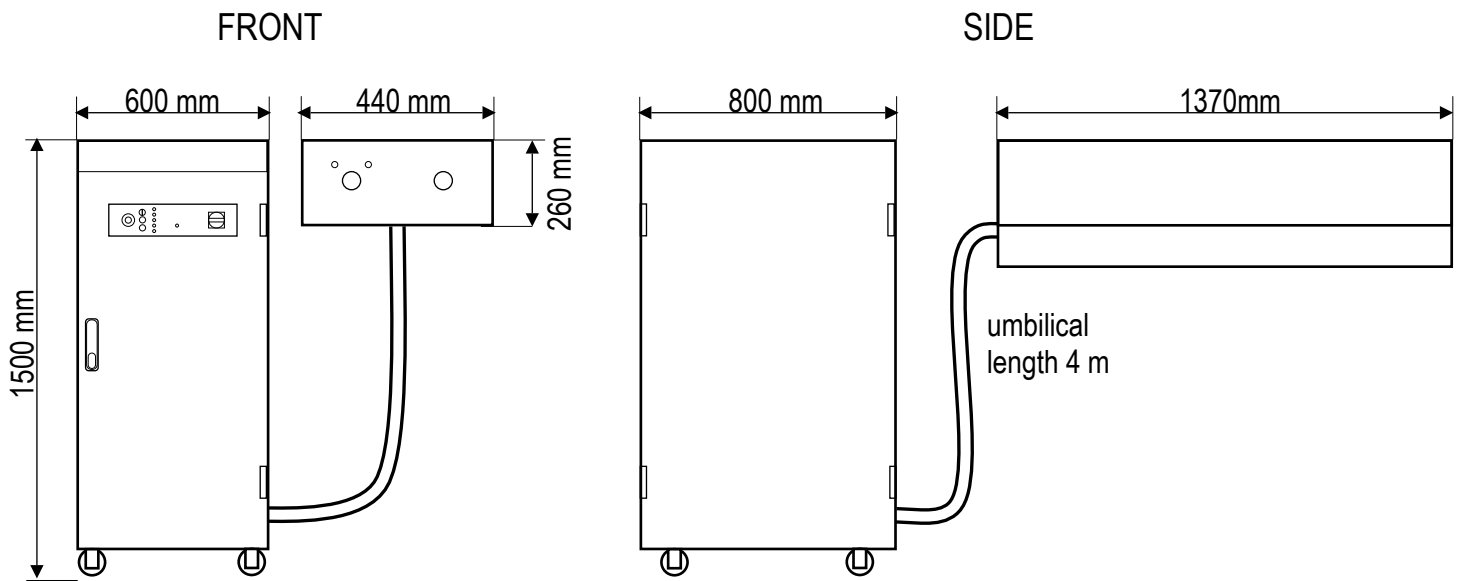
## Ruby Lasers for Thomson Scattering



### Features

- High pulse energy
- Double pulse function
- Individual control of double pulse energies
- Integrated laser energy display shows energy in each pulse
- Optics mounted on a unique carbon fibre structure for stability
- Spatial filter ensures smooth, even beam profile
- Simple flashlamp replacement
- Air to water chiller requires no external water supply
- PC controlled using InnoLas' intuitive software

# /// PDSR series



Model	PDSR40
wavelength	694.3 nm
maximum energy, single pulse	10 J
maximum energy, double pulse**	5 J
pulse length, nominal	20 nanoseconds
maximum pulse rate	4 ppm
separation of double pulses	1 - 800 $\mu$ s in steps of 1 $\mu$ s
laser head dimensions	H 260 W 440 L 1370 mm
power supply dimensions	W 600 D 800 H 1500 mm
electrical supply	230 VAC single phase
mains frequency	50-60Hz
power consumption	5kW

\*\* For pulse separations in the range 100 - 600  $\mu$ s

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 AVOID EYE OR SKIN EXPOSURE TO  
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 CLASS 4 LASER PRODUCT  
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