

## Fluorimeter PTI HORIBA QuantaMaster400



### Specifications:

- Lamp: 75W continuous Xenon with ellipsoidal reflector
- Excitation monochromator: Czerny Turner Asymmetric, 1200tr/mm f/4.1, focal length 300mm blazed at 300nm
- Emission monochromator: Czerny Turner Asymmetric, 1200tr/mm f/4.1, focal length 300mm blazed at 400nm
- Detector: photomultiplier R-928
- Spectral range: 185nm-900nm

Signal-to-noise ratio (on Raman): 20000:1 typical

- Stray light:  $<7 \times 10^{-7}$  accuracy  $\pm 0.3$ nm resolution  $\pm 0.1$ nm

- 1- 75W continuous Xe lamp with ellipsoidal reflector
- 2- adjustable slits
- 3- symmetric Czerny Turner excitation monochromator
- 4- excitation grating 1200tr/mm f/4.1, focal length 300mm blazed at 300nm
- 5- sample compartment
- 6- excitation correction
- 7- unbalanced Czerny Turner transmitter monochromator
- 8- transmitter array 1200tr/mm f/4.1, focal length 300mm blazed at 400nm
- 9- photomultiplier detector R-928

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