



université PARIS-SACLAY

OPTICAL TESTING

Monochromator

The PIT has a monochromator dedicated to high spectral resolution optical tests: instrument calibration, detector and source characterisation. This equipment, which can be used independently, could also be coupled with the thermal-optical vacuum vessel in order to provide a means of calibration which can be used in a thermal environment.

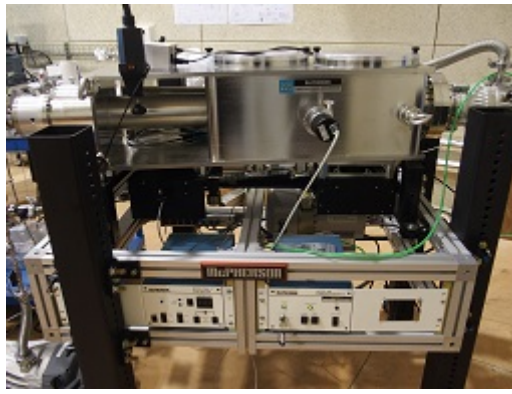


Photo: PIT

Characteristics of the Monochromator

- » Mc Pherson model type 225 with 1m focal length under vacuum
- » Vacuum: $P < 10^{-5}$ mbar
- » 4 networks available to cover the spectral range 30 to 1200 nm
- » Adjustable slits from 5 μm to 2 mm
- » Focal plane 50mm wide
- » Resolutions: 30 to 1400 nm
- » Accuracy: ± 0.005 nm