

Unlock the Future of Spectral Analysis

Wide Range Double Prism Monochromator

Achieve unmatched precision, broad spectral range, and low stray light with our advanced monochromator – ideal for photonics, chemistry, and materials science. With double prism tech and an intuitive interface, it empowers both experts and newcomers to boost efficiency and drive discovery.



Learn more

**Superior homogeneity
and reliable
performance**

~3 mm

Spot diameter

Wide spectral range

**0.4–7.3 eV/
170–3100 nm**



**Freiberg
Instruments**



DPM100

w x h x d

719 x 204 x 403 mm

**Versatile
applications**

Spectroscopy, optical research, absorption
measurements, material analysis, industrial
and scientific measurements and more

Adjustable slit width from

**0.05–
0.2 mm**

Spectral resolution

**2–100
meV**

Broadband illumination sources

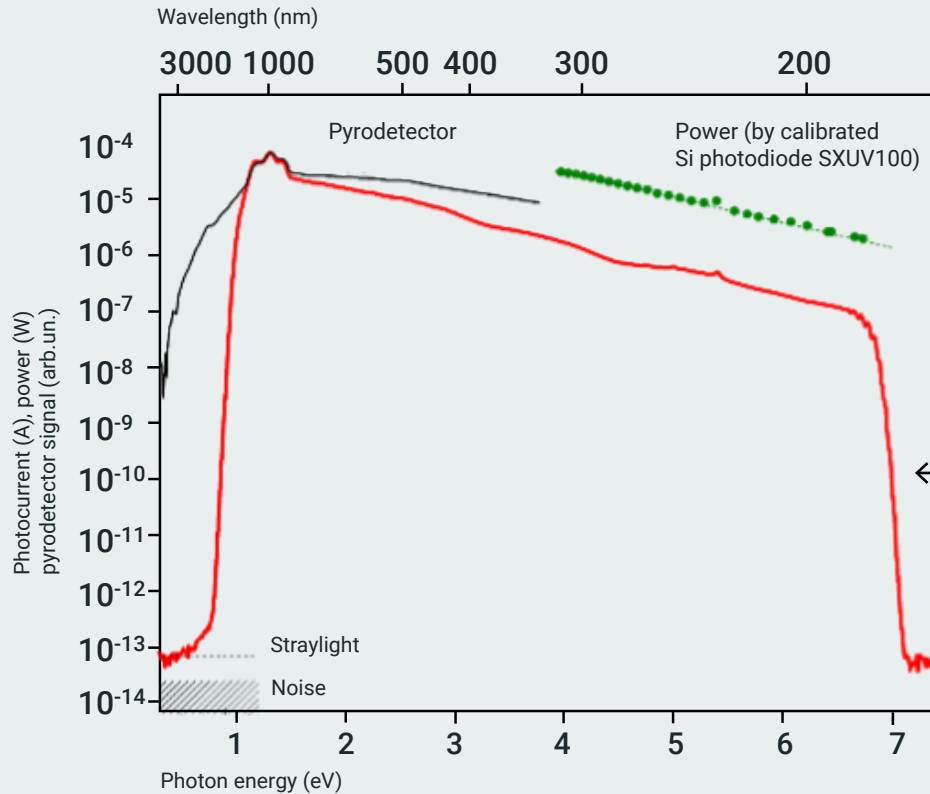
**LDLS, halogen
and xenon lamps**

Excellent stray
light suppression

> 8

Orders of magnitude

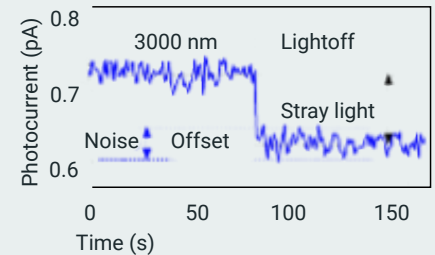
Spectral Response of Monochromator



**Diamond,
AlN, Ga₂O₃,
SiC, GaN, ZnO,
BN, AlGaIn,
InGaIn, MgO
and more**

Materials

Photocurrent Si photodiode (S15289-33)
with 4 channel amplifier





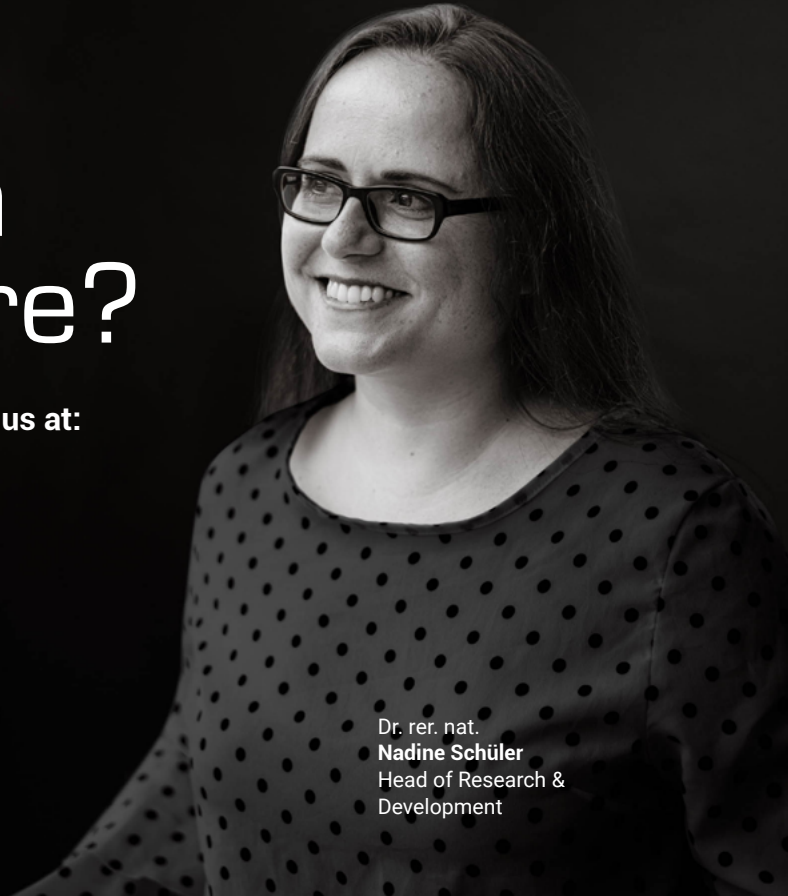
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Interested in learning more?

Let's chat and set up a demo! Reach out to us at:
sales@freiberginstruments.com



Get in touch



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