



PEC-S20DC



Peccell Technologies, Inc.

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IPCE (Incident photon-to-current efficiency) measurement apparatus (PEC-S20)

Components & Specific

- **Lamp house** Lamp : 150W Xe lamp and stabilized power supply
Collector optics : Mirror type
- **Monochromator** Focal length : 10 cm Focal ratio : F=3.0
Resolution : 2 nm (in the case of diffraction grating with 600 lines, slit 0.01mm) Range of measurement : 400 nm ~ 800 nm
(Available wavelength : 300 ~ 1000 nm)
Incident power of monochromatic light : 2mW / cm² at 480nm
- **Light guide** Quartz fiber optics (external diameter : 5 mm, length : 1m)
Irradiate area : 3mm in diameter
- **Sample chamber** Body : Light-shielding chamber with a optical fiber holder
Dimension : W100 x H100 x D150 mm
Sample stage : Height controllable stage
- **Calibration** Certificated Si-diode BQ-S1337
- **Interface** USB
Control : wavelength scanning, filter switching, data importing
- **Software** PEC-PRO for spectral display, spectral calculation, analyzing data

Optional products

For IPCE measurement by AC method (Alternating irradiation)

Chopper controller: 0.1Hz to 100 Hz

Lock-in amplifier : NF LI5630 or a similar product

■ A Windows XP PC should be needed.

IPCE measurement apparatus : PEC-S20

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