



EDINBURGH  
INSTRUMENTS

# MOLECULAR SPECTROSCOPY PRODUCT OVERVIEW

PHOTOLUMINESCENCE • RAMAN  
FTIR • TRANSIENT ABSORPTION

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## Photoluminescence Spectrometers

### FLS1000 PHOTOLUMINESCENCE SPECTROMETER

- + Market-leading sensitivity: 35,000:1
- + Highly modular for maximum versatility in steady-state and time-resolved photoluminescence research



### FS5 SPECTROFLUOROMETER

- + 2-in-1 absorption and fluorescence spectrometer
- + Spectra and lifetime measurements in a benchtop footprint



### MINI-TAU DEDICATED LIFETIME SPECTROMETER

- + Ultra-compact time-correlated single photon counting (TCSPC) spectrometer
- + Multichannel scaling upgrade for long decays



## Raman Confocal Microscopes



### RM5 CONFOCAL RAMAN MICROSCOPE

- + Advanced Raman imaging in a compact form
- + Engineered for versatility: multiple lasers, detectors, and gratings are at the core of a system that adapts to every application



### RMS1000 MULTIMODAL CONFOCAL MICROSCOPE

- + Raman and Beyond: Photoluminescence, FLIM, and SHG imaging
- + Flexible, open-architecture microscope designed for the most demanding research applications



## Absorption FTIR & Transient Absorption Spectrometers



### LP980 TRANSIENT ABSORPTION SPECTROMETER

- + All-in-one spectrometer for transient absorption and laser-induced fluorescence
- + Acquire single-shot spectra and decays from nanoseconds to seconds



### IR5 FTIR SPECTROMETER

- + Unlock high-sensitivity FTIR analysis with a dual-detector system
- + Expand your capabilities with an optional photoluminescence upgrade



## Lasers & LEDs Pulsed Diode Lasers/LEDs & Gas/Terahertz Lasers



### AGILE® TUNABLE WHITE LIGHT SOURCE

- + Wavelength-tunable picosecond supercontinuum laser from <400 nm to >2000 nm
- + Designed for the FLS1000 with standalone operation possible



### EPL/VPL/HPL PULSED DIODE SOURCES

- + Plug-and-play pulsed diode lasers and LEDs for time-resolved photoluminescence
- + Options from picoseconds up to milliseconds pulses



### PL CO / CO<sub>2</sub> LASER

- + Continuous wave (CW) tunable infrared gas lasers with high power and stability
- + Dual CO / CO<sub>2</sub> operation and pulsed output options



### FIRL TERAHERTZ LASER

- + Far infrared CW laser for THz applications (40  $\mu$ m to 1.22 mm)
- + Output power > 150 mW on selected lines

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