

NS3 NanoSpectralyzer

World's most versatile spectrometer for nanomaterials



NS3 NanoSpectralyzer

The NS3 is the latest addition to the innovative line of NanoSpectralyzer instruments from Applied NanoFluorescence, LLC. Its modular design allows easy customization to meet specific customer needs for nanomaterial characterization.

In addition to its core function as a sensitive near-IR fluorometer and absorption spectrometer, the NS3 can be configured with any of the following spectral capabilities:

Luminescence measurements

- Visible emission (400 to 900 nm)
- Near-IR emission (900 to 1600 nm)
- Extended near-IR emission (to 2000 nm)
- Up to five discrete excitation wavelengths from 405 to 830 nm

Absorption measurements

- UV absorption (210 to 450 nm)
- Visible absorption (400 to 900 nm)
- Near-IR absorption (900 to 1600 nm)
- Extended near-IR absorption (to 2000 nm)

Raman measurements

- Raman spectra from 150 to 3000 cm^{-1} shift
- Excitation at 532 and/or 671 nm

Highlights

- Customizable design
- Modular pricing
- Compact desktop system
- Turn-key operation
- Low power consumption
- Integrated software
- World class support

NanoSpectralyzer Model Comparison

	NS1	NS2	NS3
Near-IR emission	✓	✓	✓
Near-IR absorption	✓	✓	✓
Visible absorption	0	✓	✓
Raman (1 laser)		✓	0
Raman (2 lasers)			0
Visible emission			0
Extended NIR emission			0
Extended NIR absorption			0
UV absorption			0
Vertical sample scanning		0	0
0 = Optional			