

PHOTOLUMINESCENCE SPECTROMETER

Brand-Model

Model PerkinElmer LS55 Fluorescence Spectrometer

Descriptions

Photoluminescence Spectrometer is an instrument for measurement of Fluorescence, phosphorescence, and chemiluminescence or bioluminescence of a liquid, solid, powder, or thin film sample

Computer controlled ratioing luminescence spectrometer with the capability of measuring fluorescence, phosphorescence, chemiluminescence and bioluminescence.

The instrument is simple to operate and is controlled by easy-to-use FL WinLab® software.

Short description of fungsi dan spec (apa yang special?)

Measurement parameter:

1. Excitation
2. Emmission

Type of samples:

1. Solid
2. Liquid
3. Powder

Specifications

Monk-Gillieson type monochromators:

- Excitation 200-800 nm with zero order selectable.
- Emission 200-650 nm with standard photomultiplier with zero order selectable, 200-900 nm with optional R928 photomultiplier.

Synchronous scanning is available with constant wavelength or constant energy difference

Wavelength accuracy :± 1.0nm

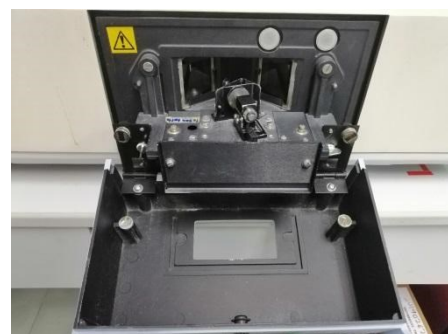
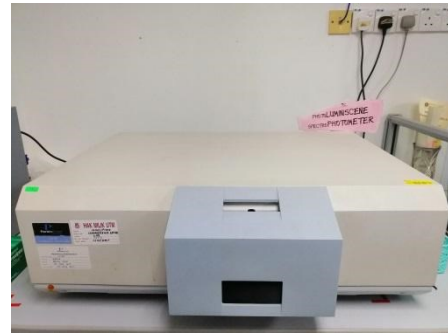
Wavelength reproducibility :±0.5nm

Spectral Bandpass: The excitation slits (2.5-15.0 nm) and emission slit (2.5-20.0 nm) can be varied and selected in 0.1 nm increments.

Scanning speed: Scanning speed can be selected in increments of 1nm for 10-1500nm/min. Time- dependent data can also be collected.

Service location

C20-102-01 *Material Characterization Laboratory*



Block: C20

Further Information

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