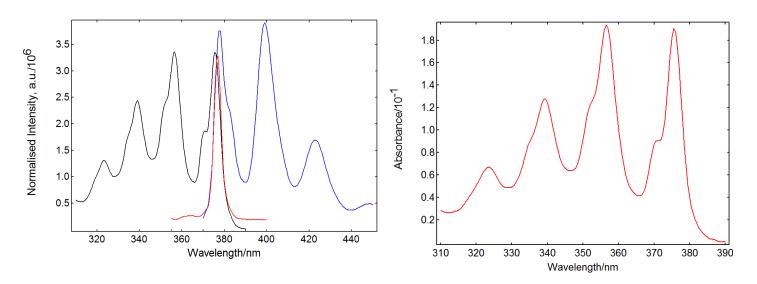


N-J01 Standard Cuvette Holder



- Standard sample holder for liquid samples in 10 mm path length cuvettes. Z height (distance from base to beam) is 15 mm.
- Enables photoluminescence and transmission (if detector present) measurements of liquid samples
- Includes slots for 50 mm x 50 mm filters
- Temperature adjusted by water/coolant circulation (external bath required).
 Operating temperature from +5°C to +80°C
- Temperature sensor monitored by the software with a resolution of 0.1°C

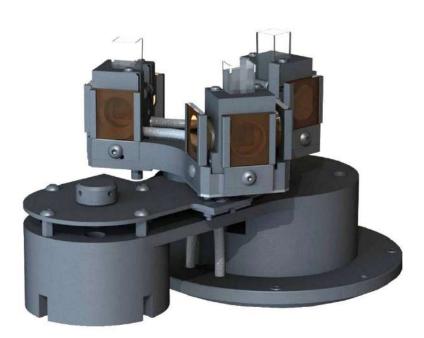


Measurement Examples

Left: Excitation (black), synchronous (red) and emission (blue) photoluminescence spectra of anthracene in cyclohexane. Right: Absorption spectrum of anthracene in cyclohexane acquired with the transmission detector accessory.



N-J02 Three-Position Sample Turret



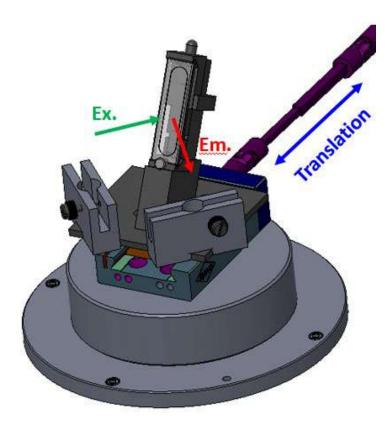
- Three cuvette positions fully controlled by the software. Cuvette path length = 10 mm, Z height = 17 mm
- One common circuit for heating/cooling fluid (external bath required), +5°C to +80°C
- Three 25 mm x 25 mm filter positions and magnetic stirrer available for each cuvette
- One cuvette position equipped with software-read temperature sensor
- Suitable for L- and Tgeometry systems (Xgeometry requires collimated laser excitation)

Automated measurements of spectral scans / lifetime for each sample in the turret

Sangle position			Sig	al Rate			×
	_			Semple position	03		
Correction Excitation Ensiste	n				0.0		
Subtract Background Excitation Correction	Emission Scan Setup	- Like		Excitation Way	relength (nm) tep: 0.05 👻 Δλ; 0.03 🤤	Ex Polariser	Source Light Path TCSPC laser
Conect by: Ex File: None Recording Ref. Data	Sance position 1 2 3 Correction Excitation Emil	01 02 03		Em1 Wavelength (nm) Em1 Polariser Em1 Detector Lig	Em1 Detector Light Path Mini Cooled		
🔲 Display Ref. Data	V Subtract Background	25/17/0 B			· · · · · · · · · · · · · · · · · · ·		
Emission Scan Parameters Scan from: 300.00 🍣	Excitation Correction	Emission Correction		s Setting: 100	88		
scan nom: 300.00 😿		Emission Scan Setup		×			
Dwell Time (s): 0.200 😴	Recording Rel. Data	Sample position		ure: 28	09.10		📝 Display Ref sign
Measure Sample(s)	🔲 Display Ref. Dala	© 1 © 2 💿 3		A Second Second			💽 Display her sign
1 1 2 2 3	Emission Scan Parameters Scan from: 540.00 3	Correction Excitation Emission	1	lates	TCSPC Laser	9,999,850 Hz	100,000,000
		Subtract Background					
	Scanitoin: S40.00 g	Excitation Correction	Emission Conection		Em1	51,420 cps	100,000
	Dwell Time (s) 0.100	Conect by:	Emi File None				
	Measure Sample(s)	Recording Ref. Data					Close Apply
		Display Fiel. Data					
		Emission Scan Parameters Scan from: 370.00 🏶 to Dwell Time (s): 0.100 🕱	600.00 🏶 step: 5.00 🕱 n Number of Scens: 1 🕱				
		Measure Sample(s)	Start Cancel App				



N-J03 Front-Face Sample Holder



- Holder for front-face measurements of solids or cuvettes with highly absorbing liquids
- Mounted on linear slide enabling position control from outside the sample chamber while monitoring the signal
- Can be used in 90° or in 30° (mirror optics) geometry. Tilted sample configuration avoids direct reflection of excitation into emission channel
- Two 50 mm x 50 mm filter slots provided. An additional filter set (N-RSet) is recommended.
- Suitable for L- and T-geometry if manually rotated

Supplied with three inserts:

 N-J03lng: Spring clamp with quartz demountable cuvette for powders (35 mm x 7 mm x 1 mm)

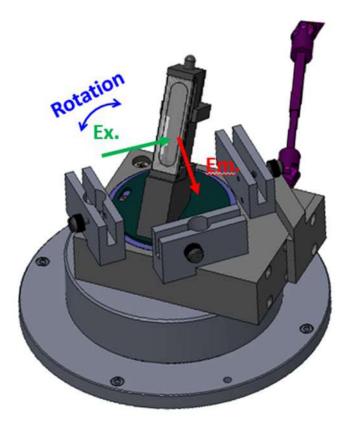




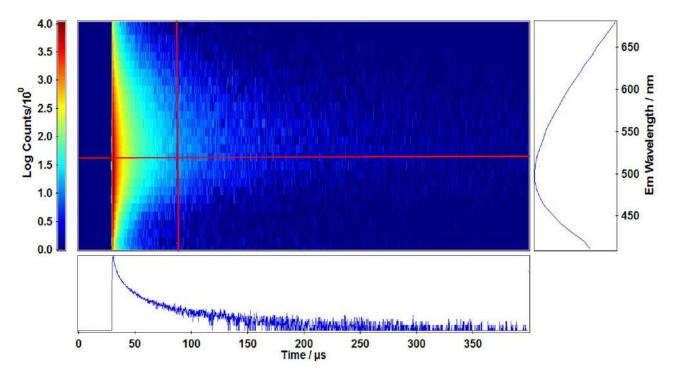
- N-J03shrt: Spring clamp for slides with at least one dimension of 25 mm
- Adjustable screw clamp for holding small samples (max. 10 mm x 10 mm, min. 2 mm x 2 mm)



N-J04 Front-Face Sample Holder on Rotational Stage



- Similar to N-J03 but on a rotational stage instead of a linear slide
- Rotational angle can be adjusted from outside the sample chamber with a precision of ±1°
- Angle marked on rotational stage
- Two slots for 50 mm x 50 mm filters provided. An additional filter set (N-RSet) is recommended.
- Supplied with same inserts as N-J03

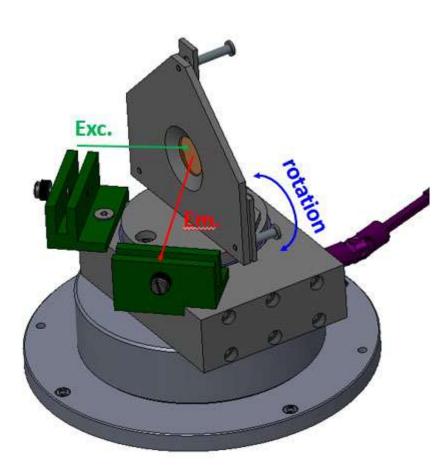


Measurement Example

Above: Photoluminescence Time-Resolved Emission Spectrum of TiO_2 measured in a front face sample holder using an EPL-375 for excitation. Spectral and time-resolved slices are shown in the graph.

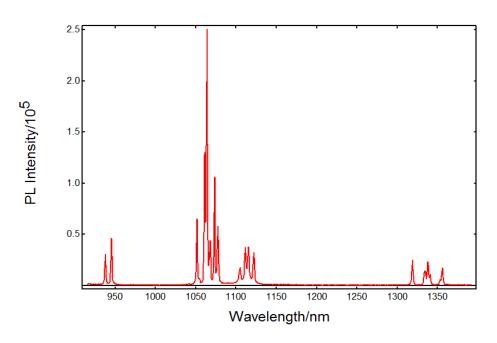


N-J05 Front-Face Clamp on Rotational Stage



- Suitable for film and slide samples, or cuvettes with thickness ≤ 5 mm
- Flexible spring-loaded plate can be pulled back to load the sample between the two vertical plates
- Sample aperture of 20 mm diameter, compatible with transmission detector
- Rotational angle can be adjusted from outside the sample chamber with a precision of ±0.5°
- Two slots for 50 mm x 50 mm filters. Additional filter set (N-RSet) is recommended

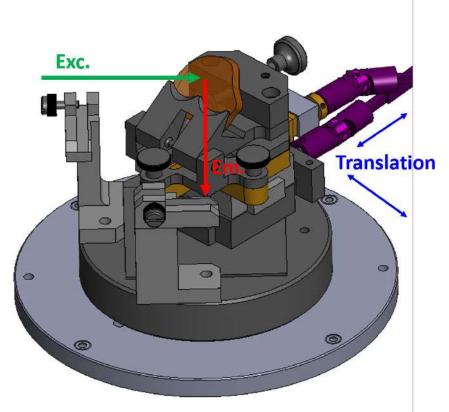
Measurement Example



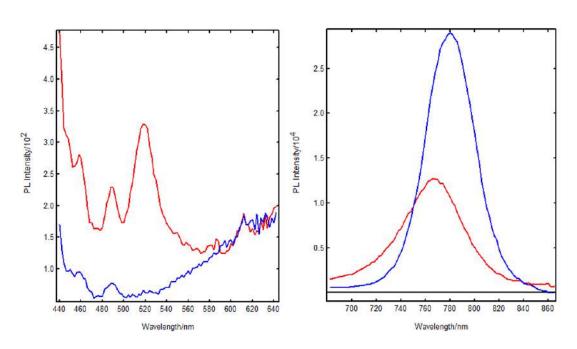
Left: Photoluminescence emission spectrum from a slide of Nd:YAG. Excitation at 355 nm from the standard Xe lamp and detection with a PMT-1700 detector.

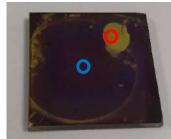


N-J06 Front Face Sample Holder on XY Stage



- Designed for inhomogeneous solid samples, width ≤ 30 mm and depth < 13 mm
- XY translation control from outside the sample chamber while monitoring signal
- Sample held with a springloaded plunger and inclined 30° to avoid direct scattering of excitation into emission path
- Two slots for 50 mm x 50 mm filters. Additional filter set (N-RSet) is recommended



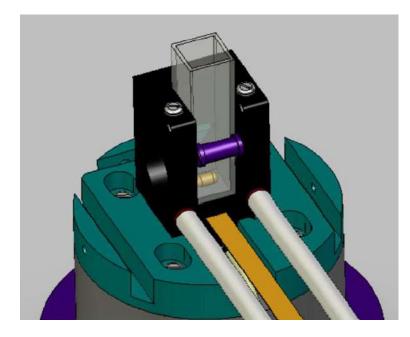


Above: Photoluminescence emission spectrum from perovskite acquired in the centre of the slide (blue) and in an area exposed to water (red).

Measurement Example



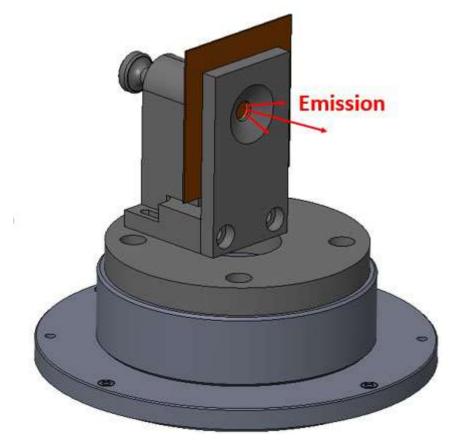
N-J07 Magnetic Stirrer



- Fits into the base of standard cuvette holder N-J01
- Stirrer head connected to an external controller through one of the feedthrough tubes in the sample chamber
- Computer-controlled operation allowing to control the stirring speed
- 10 different stirring speeds available

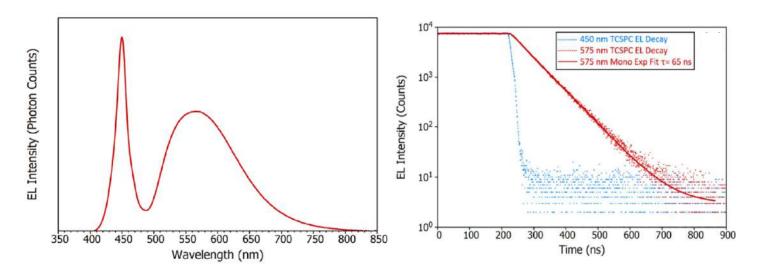


N-J08 Electroluminescence Sample Clamp



- Suitable for samples with minimum dimensions
 20 mm x 20 mm, maximum thickness 4.8 mm
- Sample held in place by spring-loaded plunger
- Electrical connections must be provided by the user and are fed into the sample chamber through feedthrough tubes
- A range of continuous and pulsed voltage generators are available

Measurement Examples

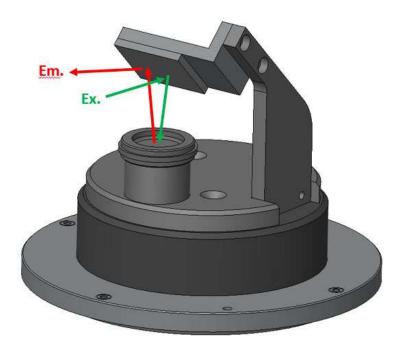


Left: Steady State electroluminescence spectrum of a white light InGaN LED at a drive current of 20 mA (3.4 V).

Right: Time-resolved electroluminescence of white light InGaN LED, measured at 450 nm (blue) and 575 nm (red) using TCSPC.



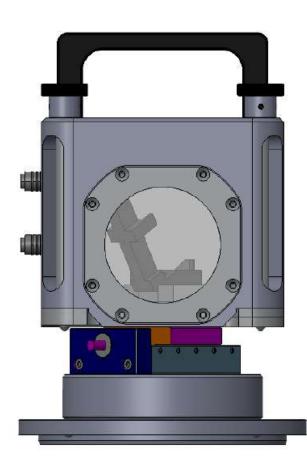
N-J09 Vertical Excitation Powder Holder



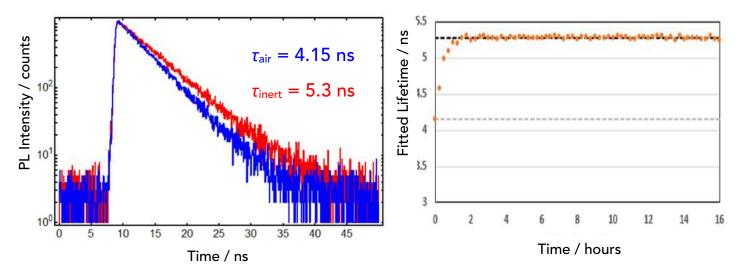
- Removable powder tray enables easy measurement of powders without a quartz cuvette
- Excitation beam is directed quasivertically on sample. The emission light is collected with the same mirror
- This holder must be used with the mirror optics option in the sample chamber (N-F03)



N-J11 Inert Gas Sample Chamber



- Holds the sample under inert gas for >8 hours (inert gas not included)
- Includes a solid sample holder and a cuvette holder
- The upper section is removable and exchanged between the solid sample and cuvette bases
- Glove box compatible
- Purge ports included as standard

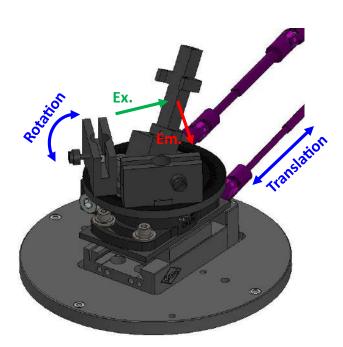


Measurement Example

Left: PL Lifetime decay of anthracene in cyclohexane under air (blue) or under nitrogen (red). Right: Anthracene lifetime upon flushing the chamber with nitrogen for ~1 hour and sealing it, showing that an inert atmosphere is maintained overnight.



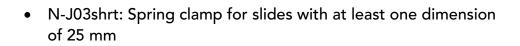
N-J12 Front-Face Rotation and Translation Holder



- Holder for front-face measurements of solids or cuvettes with highly absorbing liquids
- Mounted on linear slide enabling translation and 360° rotation from outside the sample chamber while monitoring the signal
- Can be used in 90° or in 30° (mirror optics) geometry. Tilted sample configuration avoids direct reflection of excitation into emission channel
- Two 50 mm x 50 mm filter slots provided. An additional filter set (N-RSet) is recommended.
- Suitable for L- and T-geometry

Supplied with three inserts:

 N-J03lng: Spring clamp with quartz demountable cuvette for powders (35 mm x 7 mm x 1 mm)



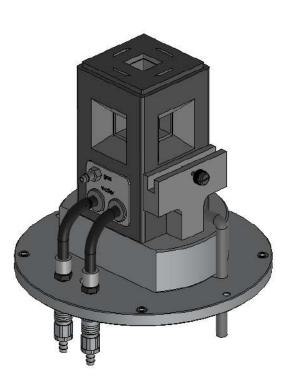
 Adjustable screw clamp for holding small samples (max. 10 mm x 10 mm, min. 2 mm x 2 mm)







N-K02 TE Cooled Sample Holder

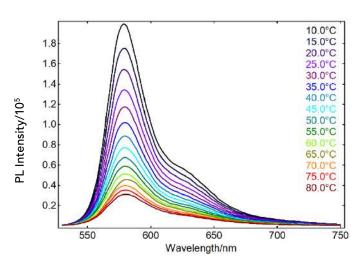


- Thermoelectrically cooled holder for cuvettes with 10 mm path length. Z height = 15 mm
- Sample temperature is controlled from the software with ±0.02°C precision enabling the creation of automated temperature maps. "Set temperature" option available in batch measurement mode
- Includes external controller, cooling water circulator, gas inlet, magnetic stirrer and 50 mm x 50 mm filter slots
- Magnetic stirrer controlled from software
- Three versions offered, standard (N-K02) from -35°C to +105°C (*[†]); low range (N-K02lw) from -50°C to +150°C ([†]) and extended (N-K02exd) from -35°C (*[†]) to +150°C

*Accessories Required for Low Temperature

≥ +5°C	No additional accessories required
-10°C to +5°C	[†] Dry gas flow to avoid condensation
-15°C to -10°C	*Dry gas flow and circulating fluid within 25°C of the operating temp.
-35°C to -15°C	*Dry gas flow, circulating fluid within 25°C of the operating temperature, and additional windowed jacket N-K02J if using N-K02 or N-K02exd

Measurement Example



Left: Temperature map of Rhodamine B emission acquired in 5°C intervals.



N-K03 Four-Position TE-Cooled Sample Holder



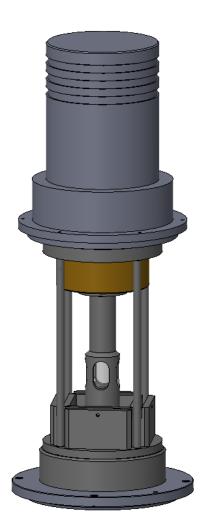
- Similar to N-K02 but allowing up to four 10 mm path length cuvettes. Cuvette path length = 10 mm, Z height = 15 mm
- Cuvette positions fully controlled by the software. Set measurement parameters independently and change cuvette in batch mode
- Temperature control from -15°C to +105°C (dry gas flow required for operation below 5°C)
- Sample temperature is controlled from the software with ±0.02°C precision enabling the creation of automated temperature maps. "Set temperature" option available in batch mode.

Automated measurements of spectral scans / lifetime for each sample in the turret

nission Scan Setup Set up Sample			ſ	Signal Rate			×
	© 4			Sample position			
Correction Excitation Emiss	ion			◎1 ◎2 ◎3	I © 4		
Subtect Background Excitation Correction Correct by: Ex File: None File: None File: Recording Ret. Data Display Ret. Data	Emission Scan Setup Set up Sample 1 2 3 3 Correction Excitation Emis Subtract Background Excitation Correction			Em1 Wavelength (nr	0.05 • Di: 0.03 😴	Em1 Polariser	Source Light Path TCSPC laser Em1 Detector Light Path Mini Cooled
Envision Scan Parameters Scan from: 300.00 @ Dwell Time (t): 0.200 @ Measure Sample(t) @ 1 @ 2 @ 3 @ 4	Coneci by: Ex File: None Recording Ref. Data Display Ref. Data Emission Scan Parameters Scan Inore: 54000 \$ Divel Time (s): 0.100 \$ Measure Sample(s) I U 2 V 3 V 4	Emi File: None Emission Scan Setup Set up Sample 1 2 3 3 Correction Subtract Background Excitation Correction Correct by Ex File: None Recording Ref. Data	Emission Correction	Iris Setting: 100		,999,850 Hz 51,420 cps	Display Ref signa 100,000,000 100,000 Close Apply
		Emission Scan Parameters Scan from: 370.00 😴 to: Dwell Time (s): 0.100 🕱 Measure Sample(s) V 1 V 2 V 3 V 4 Sta	Number of Scans: 1	An in the second			

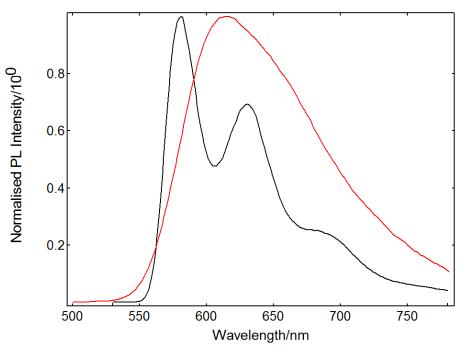


N-K04 Liquid Nitrogen EPR Dewar



- Low-cost option for measurements at 77 K
- Suitable for liquid and powder samples
- Liquid nitrogen Dewar manufactured with quartz contains the sample in an EPR tube
- One quartz EPR tube supplied with dimensions: 4.97 mm outside diameter, 4.20 mm inside diameter
- Dewar can hold temperature for 1 hour after being filled with liquid nitrogen

Measurement Example



Left: Emission spectrum of tris(bipyridine)ruthenium(II) chloride [Ru(bpy)₃]Cl₂ in 4:1 ethanol/methanol acquired at 77 K (black) and room temperature (red) with the N-K04 holder

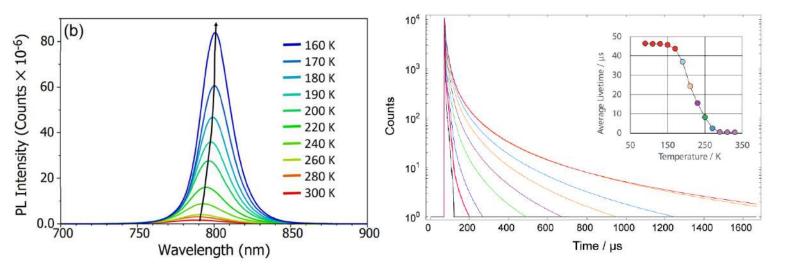


N-K05 Liquid Nitrogen Cryostat



- Liquid nitrogen cryostat mounted in the FLS1000 sample position and easily exchanged for other sample holders
- Temperature range from 77 K to 300 K (standard version), or from 77 K to 500 K (extended version)
- Temperature-controlled and monitored from the software enabling the creation of temperature maps
- A turbomolecular pump may be required
- Cuvette (10 mm), plain (19 x 30 mm²) and optical (19 x 30 mm² with Ø15 mm aperture) sample holders included
- Powder sample holder available (N-SK05-PWD)





Measurement Examples

Left: Spectral temperature map of photoluminescence from MAPI perovskite acquired with liquid nitrogen cryostat.

Right: MCS temperature map of GaN thin film acquired with liquid nitrogen cryostat. The inset shows the fitted lifetimes.



N-06/07 Liquid Helium and Closed Cycle Cryostats



- A range of third-party liquid helium and closed cycle cryostats can be integrated in the FLS1000
- Lower temperature limit from 2.3 K and upper temperature limit up to 800 K (model dependent)
- Closed cycle cryostats eliminate the need for cryogenic liquid, reducing running costs
- Temperature-controlled and monitored from the software enabling the creation of temperature maps
- Sample holders for cuvettes and solids available
- Other third-party cryostat models and custom mounts are available
- A turbomolecular pump may be required

Model	Туре	Temperature Range	Notes
N-K05DAX	Closed cycle, air cooled	3 K – 300 K	Suitable for solid samples (no liquids)
N-K05DWX	Closed cycle, water cooled	3 K – 300 K	Suitable for solid samples (no liquids)
N-K06	Liquid helium	3.4 K – 300 K	Requires pressurised He storage vessel
N-K06exd	Liquid helium	3.4 K - 500 K	Requires pressurised He storage vessel
N-K06exdlw	Liquid helium	2.3 K - 500 K	Requires pressurised He storage vessel
N-K07-10350	Closed cycle	10 K – 350 K	Mounted through base of sample chamber
N-K07-10500	Closed cycle	10 K – 500 K	Mounted through base of sample chamber
N-K07-10800	Closed cycle	10 K – 800 K	Mounted through base of sample chamber
N-K07-4350	Closed cycle	4 K – 350 K	Mounted through base of sample chamber
N-K07-4500	Closed cycle	4 K – 500 K	Mounted through base of sample chamber
N-K07-4800	Closed cycle	4 K – 800 K	Mounted through base of sample chamber

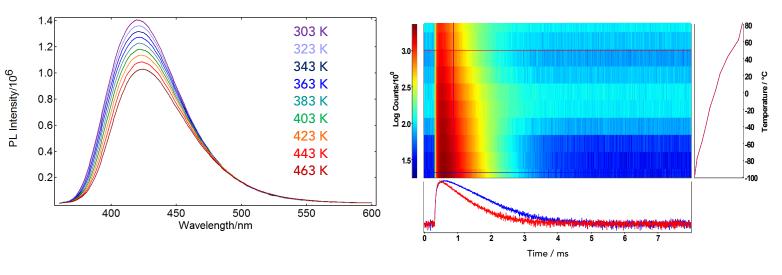
Options Summary



N-Link Temperature Stage Holder



- Temperature-controlled stages compatible with films and powders. Temperature range from -196 °C to 600 °C (model dependent), stability < 0.1 °C
- Controlled from Fluoracle software enabling the acquisition of temperature maps
- Includes controller, liquid nitrogen pump and Dewar, mounting external to the spectrometer, fibre bundles
- Couples to spectrometer via fibre bundles. Fibre bundle UV (200 nm -1200 nm) or VIS (300 nm - 2400 nm) range to be specified at the time of order. Requires adaptor N-L09



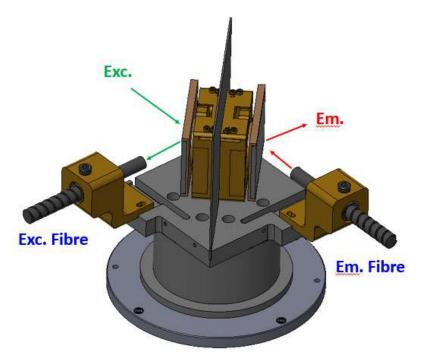
Measurement Examples

Left: Spectral temperature map of photoluminescence from sodium salicylate measured in N-Link accessory.

Right: MCS temperature map of NaY_{0.77}Yb_{0.20}Er_{0.03}F₄ acquired with N-Link.



N-L0X Fibre Coupling Module

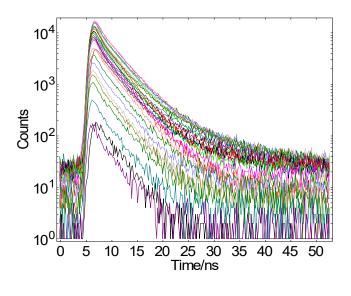


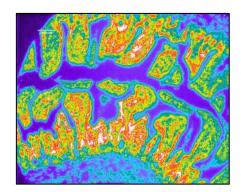
- Enables remote measurement of samples outside the spectrometer and coupling to third-party accessories such as microscopes
- Coupling of individual fibres (SMA/FC), fibre bundles (individual or bifurcated), or liquid light guides
- A range of fibres is available from Edinburgh Instruments in UV, visible or NIR ranges

Fibre and Light Guide Options

N-L01	2 m bifurcated fibre bundle, 250 nm – 900 nm
N-L01exd	2 m bifurcated fibre bundle, 400 nm – 2000 nm
N-L03	2 m fibre bundle, 250 nm – 900 nm
N-L03exd	2 m fibre bundle, 400 nm – 2000 nm
N-L06UV	2 m liquid light guide, 300 nm – 650 nm
N-L06VIS	2 m liquid light guide, 340 nm – 800 nm
N-L06NIR	2 m liquid light guide, 420 nm – 2000 nm

Measurement Examples

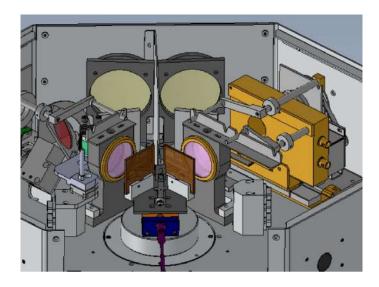




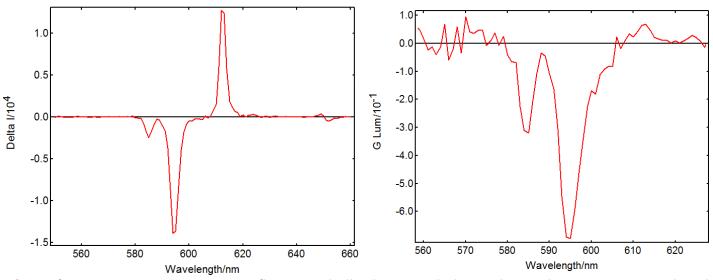
Above: Slice of a mouse intestine stained with Sytox green imaged in a microscope with excitation light from the FLS spectrometer. Left: Time-Resolved Emission Spectroscopy from a point in the sample. Excitation with an EPL laser into a microscope.



N-CPL Circularly Polarised Luminescence



- Detect circularly polarised luminescence (CPL) in the FLS1000 spectrometer
- Includes a software-controlled photoelastic modulator and lock-in amplifier enabling automatic acquisition of ΔI (= I_L - I_R) and G_{lum} values
- A measurement with G = 0.1 typically requires 10 minutes of acquisition time for the total spectrum.
- Wavelength range: 200 nm 900 nm
- Requires emission polariser N-F06EM (not included)



Left: Δ / from europium(III) tris[3-(trifluoromethylhydroxymethylene)-d-camphorate] acquired with the circularly polarized luminescence accessory. Right: G_{lum} from europium(III) tris[3-(trifluoromethylhydroxymethylene)-d-camphorate] acquired with the circularly polarized luminescence accessory.

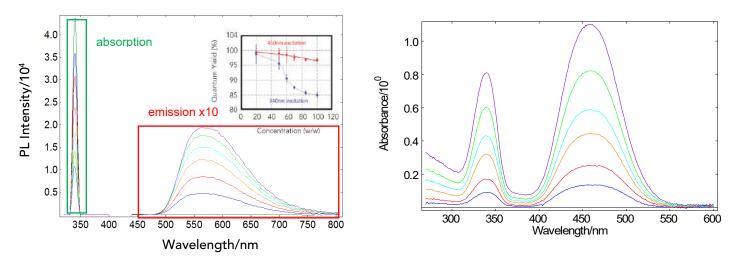
Measurement Examples



N-M08 QYPro Integrating Sphere



- 125-mm diameter reflective sphere, mounted in sample chamber, compatible with L- and Tconfigurations
- Measurement of photoluminescence quantum yield and reflectance of solutions, films and powders, from 250 nm to 2,500 nm
- Direct and indirect excitation possible for solid samples
- Automated sample loading avoiding contamination
- Includes cuvette and solid sample holders, powder tray, reference scattering plug, and ND filter
- Quantum yield and reflectance software wizards included
- Purge ports included as standard
- Optional sample holder for external quantum efficiency (EQE)



Left: Photoluminescence quantum yield measurement of YAG:Ce powder in BaSO₄ at various concentrations (20% to 100%), results at 340 nm and 450 nm excitation. Right: Normalised absorptance of YAG:Ce in BaSO₄ at various concentrations (20% to 100%) measured in integrating sphere.

Measurement Examples

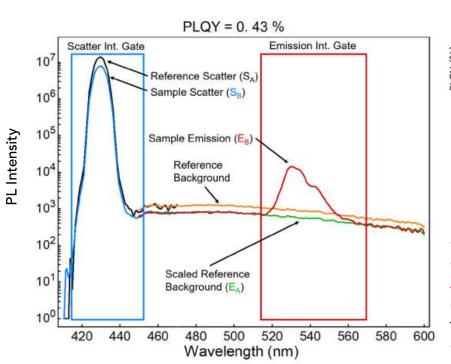


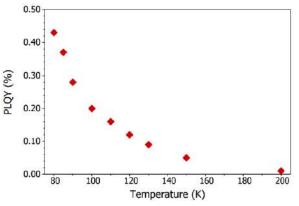
N-M01T Cryosphere



Measurement Examples

- Absolute photoluminescence quantum yield of solid and powder samples from 77 K to 500 K
- Coupled to the FLS1000 spectrometer by fibre bundles. Bundles and launcher should be ordered separately (N-L03T)
- Temperature controlled from Fluoracle software enabling the automatic creation of temperature maps
- Direct and indirect excitation positions available
- Features liquid-nitrogen cooled cryostat, controller, 5 L Dewar, gas flow pump. A turbo-molecular pump (recommended) or a two-stage rotary pump is required for routine maintenance and operation





Left: Photoluminescence quantum yield of CsPbBr₃ at 80 K measured in the cryosphere accessory.

Above: Variation of photoluminescence quantum yield of CsPbBr₃ with temperature characterised in cryosphere.



N-M02 Titration Module



- Dual syringe titrator external to the instrument and controlled from the FLS1000 software
- Perform kinetic measurements with manual or automated titration, and automated multiple spectral scans
- Comprises two 1 mL syringes as standard (other volumes available), connecting tubing, flow cuvette and feedthrough into the FLS1000 sample chamber

Specification

Syringe volumes	10 μL	100 μL	1 mL (standard)
Syringe accuracy	<3%	<3%	<1.2%
Syringe precision	<2%	<1.5%	<0.5%
Flow rate (μL/s)	0.003 – 6.5	0.03 – 66.5	0.3 - 665

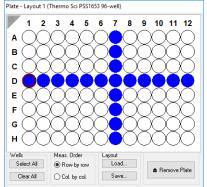
Test Titrator	×			
Information Titrator type: Hamilton M600 Change Software/firmware version: NV01.085.000.121.0N				
Configuration Single/dual dispense Contin	uous dispense O Dual dilute			
Left syringe	Right syringe			
Use Use	Use Use			
Speed (s):	Speed (s):			
Fill volume (uL):	Fill volume (uL):			
Dispense volume (uL): 100	Dispense volume (uL): 100			
Operations				
Prime	Dispense once			
Direct command				
Command: Reply	: Send			
Initialise	Close			

Left: Setup of titration parameters in Fluoracle software. The fill volume, dispense volume, and dispensing speed can be controlled independently for each syringe.



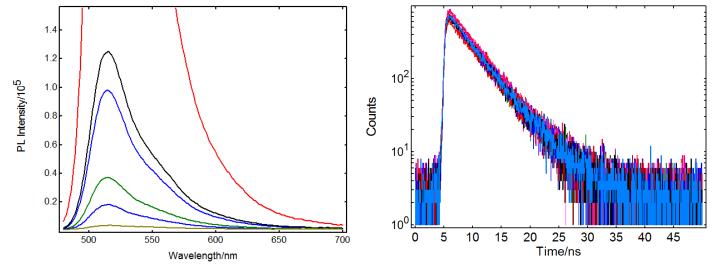
N-M03 PR2 Plate Reader





- Software-controlled plate reader accessory connected to FLS1000 via a bifurcated fibre bundle (N-L02, must be ordered separately)
- Automatic spectral and lifetime measurements (TCSPC and MCS) of each well
- Supports microplates with a format of up to 384 wells
- Custom well geometries can be defined and saved for later use
- Interlocked hatch included





Left: Emission spectra from fluorescein in PBS at different concentrations measured in adjacent wells. The lowest concentration is 10 pM. Right: TCSPC lifetime measurements of sample in adjacent wells, acquisition time = 5 seconds/well



N-M04 Stopped Flow Accessory



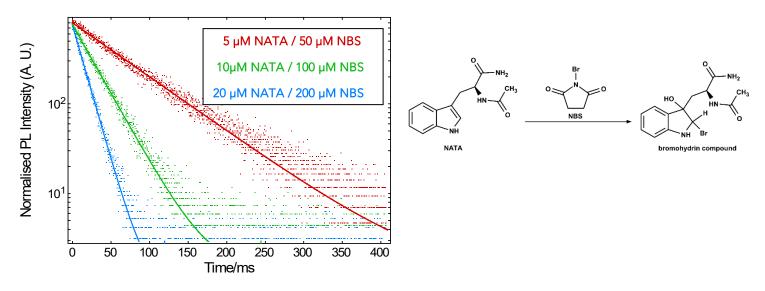
- Stopped-flow accessory for measuring rapid reaction kinetics with ms time resolution
- Silica cuvette with 4 Spectrosil B observation windows with 10 mm path length
- Includes 3 multimixing 2.5 mL injection syringes
- Manual injection with 10 ms resolution (kinetic scan)
- Compatible with N-J01 and N-K02

Specification

Dead Time (ms)	<10		
Dead Volume (µl)	350 (micro-volume version) or 700 (standard)		
Volume per Shot (µl)	100 per reactant		
Mixing Ratio	1:1 to 20:1		
Chemical Resistance	Very high. Silica and PTFE construction.		
Temperature Range (°C)*	5 to 80		

*Temperature control is provided by N-J01 or N-K02.

Measurement Examples



Above: PL kinetic of NATA quenching by N-bromosuccinimide (scheme above) at different concentrations. $\lambda_{ex} = 280$ nm, $\lambda_{em} = 360$ nm. The decays were fit with a single monoexponential using Fluoracle.



N-XS1 X-Ray Sample Chamber



*Standard 340 – 800 nm. Other options available

- CW and/or pulsed X-ray excitation of samples in a separate sample chamber
- UV/visible/NIR photoluminescence of the X-ray excited sample is collected by a liquid light guide* and sent to the FLS1000 emission path
- Sample holders for cuvettes, slides and powders included as standard
- Option to excite the sample directly with a laser

Options

N-XS1-CW	CW X-ray source (60 kV, 12 W)
N-XS1-P	40 kV X-ray source triggered by HPL-450 laser
	X-ray pulses of ~100 ps or wider, compatible with TCSPC
	Mount for second source (simultaneous excitation of the sample)
N-XS1-PCW	CW and pulsed sources from N-XS1-CW and N-XS1-P
	Easy swap between sources

Sample Holders





Powders (Standard)

Film (Standard)

10 mm cuvette

(Standard)

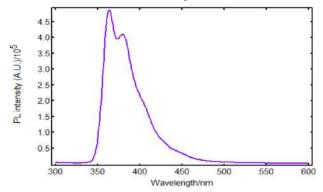




Powder / Crystal (Optional)

1 mm cuvette (Optional)

Measurement Examples



Line/ns

Left: X-ray excited luminescence spectrum of LAB/PPO liquid scintillator. Right: X-ray excited luminescence decay of LAB/PPO measured by TCSPC.

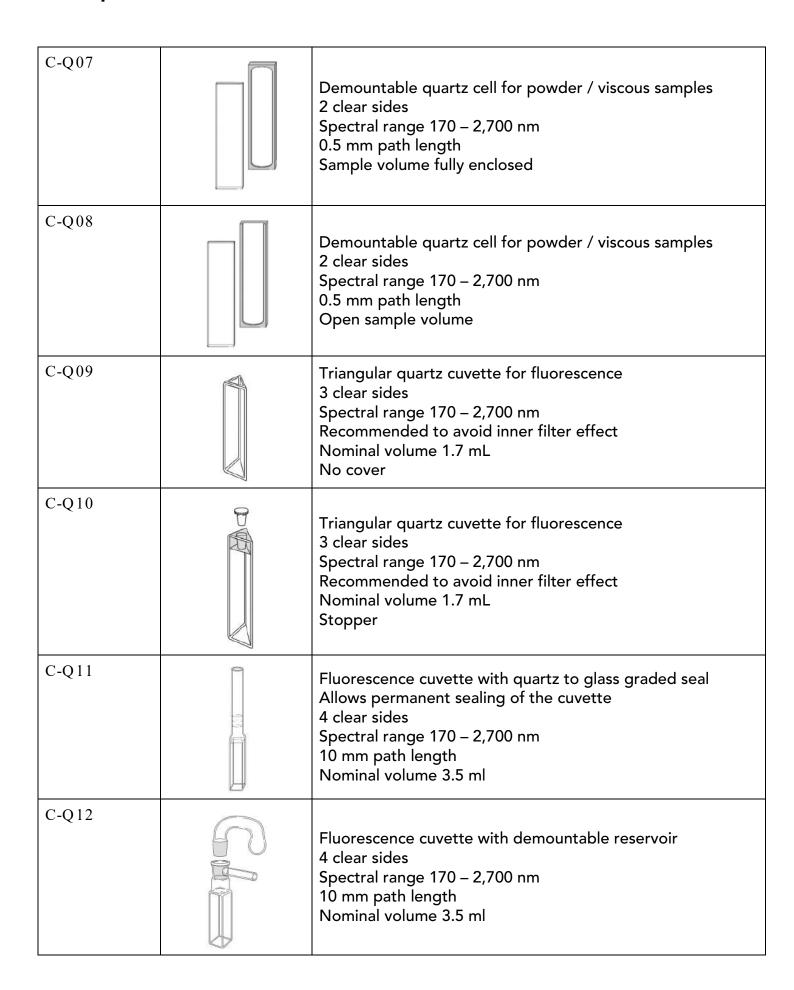


Sample Accessories

C-Q01	PMMA cuvettes for fluorescence 4 clear sides Spectral range 230 – 900 nm 10 mm path length Nominal volume 3.5 mL No cover Box of 100
C-Q02	Quartz cuvette for fluorescence 4 clear sides Spectral range 170 – 2,700 nm 10 mm path length Nominal volume 3.5 mL Simple PTFE cover
C-Q03	Quartz cuvette for fluorescence 4 clear sides Spectral range 170 – 2,700 nm 10 mm path length Nominal volume 3.5 mL Stopper
C-Q04	Quartz cuvette for fluorescence 4 clear sides Spectral range 170 – 2,700 nm 10 mm path length Nominal volume 3.5 mL Screw cap
C-Q05	Quartz microcuvette for fluorescence 4 clear sides Spectral range 170 – 2,700 nm 2 mm and 10 mm path lengths Nominal volume 0.7 mL Simple PTFE cover
C-Q06	Quartz microcuvette for fluorescence 4 clear sides Spectral range 170 – 2,700 nm 2 mm and 10 mm path lengths Nominal volume 0.7 mL Screw cap



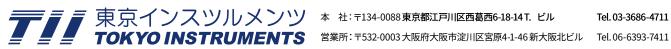
Sample Accessories





Sample Accessories

C-Q13	Quartz test tube with stopper For liquid samples in Dewar (N-K04) 250 mm long 5 mm outer diameter
C-Q14	Quartz cuvette suitable for use with N-K05/N-K06 cryostats 4 clear sides Dimensions 12 x 12 x 35 mm (shorter than C-Q01 – C-Q06) Non-sealing stopper



グローバルにネットワークを広げ、最先端の科学をお客様に提供 URL: https://www.tokyoinst.co.jp Mail: sales@tokyoinst.co.jp

T[] Group Company



●本カタログに記載されている内容は、改良のため予告無く変更する場合があります。(製品の仕様、性能、価格などはカタログ発行当時のものです) ●本カタログに記載されている内容の一部または全部を無断で転載することは禁止されております。

●本カタログに記載されているメーカー名、製品名などは各社の商標または登録商標です。