

Fluorimeters

Feature	62 Series Fluorimeter
Wavelength selection	Intelligent Filter Modules (IFM)
Light source	Pulsed Xenon lamp with press-to-read operation
Expected life of lamp	No replacement required in normal operation
Raw fluorescence readings	Yes
Concentration standard curve	Blank + up to 6 standards
Kinetics, timed option	In both raw fluorescence and concentration modes
Kinetics options	1 reading every 3 to 999 seconds
No. methods stored	20
No. results stored	100 per method
GLP	Method lock with password access Time and date stamped results Last calibration date and time stored Calibration interval set Calibration due reminder User ID
Outputs	RS232
PC software	Compatible with DataWay (option)
Sample handling	10mm square cuvette holder (standard) Heated sample holder (option) Sipper pump (option)
Power supply	90 to 230V universal mains adapter 12V DC input
Size (w x d x h)	365 x 272 x 160mm
Weight	6kg

Technical Specification

	6270	6280	6285
Wavelength range	190 to 1100nm	190 to 650nm	190 to 850nm
Sensitivity*	1µg /ml	<1ng/ml	<1ng/ml
Dynamic range*	5.2x10 ⁴	5.2x10 ⁶	5.2x10 ⁵
Detector	Photodiode	PMT [#]	PMT [#]

* Using quinine sulphate

Photomultiplier tube



6270 with Sipper Pump

62 Series Fluorimeters

- High quality optics: pulsed xenon lamp and Total Energy Transfer (TET)
- Intelligent Filter Modules ensure correct filters are fitted for selected method
- Intuitive programming allows fast program creation
- Raw fluorescence or concentration values options
- Standard curve and kinetic functions
- Heated sample holder and sipper pump accessories
- Compatible with DataWay PC software



6270

Three models are available to cover a wide range of applications. The 6280 model is ideal for the most sensitive determinations with emission wavelengths up to 650nm. When higher emission wavelengths are required the 6285 with its red-enhanced detector is the unit of choice. For less sensitive applications and a broader wavelength range up to 1100nm the low cost 6270 unit is more suitable.

With press-to-read operation and Total Energy Transfer (TET) technology the output of the high-energy xenon lamp is maximised and its expected life extended so that it should never need replacing within the normal lifetime of the unit. The high quality optics are complemented by the Intelligent Filter Modules (IFM) that are identified by the unit, generating error messages should the wrong filters be fitted or their positions be incorrect.

Each model offers intuitive operation with a user interface based on logical menus that can be navigated from the simple keypad. Up to 20 methods can be created without restriction and saved for future use. They can also be locked against accidental change by password entry. The permanent time and date tag on every stored reading supports Good Laboratory Practice, while calibration reminders and operator identity can also be entered to support conformance and traceability of results.

All models are powered from an external, universal mains adapter suitable for use from 90V to 230V, while the 12V DC input enables use in vehicles or from suitable battery packs.

Ordering Information

Part Code	Description
627 001	6270 fluorimeter supplied with 100 disposable cuvettes and mains adapter for use on 90 to 230V supply with UK, Euro and US mains leads
628 001	6280 fluorimeter supplied with 100 disposable cuvettes and mains adapter for use on 90 to 230V supply with UK, Euro and US mains leads
628 501	6285 fluorimeter supplied with 100 disposable cuvettes and mains adapter for use on 90 to 230V supply with UK, Euro and US mains leads

Note: Excitation and emission filters are not included and should be purchased as separate items. Please refer to the filter section.