

FP-6500



JASCO's latest research grade spectrofluorometer combines excellent specifications and a flexible optical system with JASCO's unique cross platform spectroscopy software suite Spectra Manager™. The FP-6500 was designed to meet the demanding needs of laboratories involved in application areas like biochemistry performing kinetics, stopped flow, titration and anisotropy experiments. These applications can be easily and rapidly undertaken using dedicated accessories and software. Many advanced features of the FP-6500 are supplied with the instrument including spectral correction using Rhodamine B as well as phosphorescence spectrum measurements and phosphorescence lifetime determinations. If extended wavelength measurements are required a NIR instrument the FP-6600 is available which expands wavelength measurements to 1010 nm.

Excellent optics and high sensitivity

FP-6500/6600 optical system utilizes high quality components. The source is a DC-powered 150W Xenon lamp (in a sealed housing) which employs a photometric ratioing system. This utilizes a second photomultiplier tube to monitor and compensate for any variations in the intensity of the 150 Watt Xenon source thus ensuring maximum analytical stability. The use of concave holographic grating monochromators with optimized blaze angles provides maximum sensitivity over the entire wavelength range.

High sensitivity

The FP-6500 boasts extremely high sensitivity with a signal to noise ratio greater than 200:1 Raman band of water peak-to peak using SBW 5 nm on both EX and EM monochromators, 2 second response at 350 nm excitation wavelength.

Versatility and flexibility for biochemistry

The FP-6500 is supplied with a single position water thermostattable cell holder. In addition, a variety of accessories for temperature control and specific application areas are available including a stirred peltier thermostatted single cell holder, 8-position automatic water thermostattable turret cell changer, peltier thermostatted cell holder with automatic polarizer / depolarizer, sample holder lid with syringe port for fluorescence and chemiluminescence experiments, automatic titration accessory for evaluating the denaturation of proteins or ligand binding experiments as well as stopped flow accessories. These accessories can be used in conjunction with application specific software for a total solution to your application requirements. Fast data collection rates are available and can be optionally increased to provide data collection rates of up to 0.1 milliseconds essential for stopped flow and fast kinetics applications. Spectral bandpass is selectable from 20 nm to 1 nm for when high resolution is required with additional reduced height slits of 5 nm and 10 nm on both monochromators for when only small sample volumes are available and micro cells are used.



ic light t
modified
modified
omators
Jiliators
EM
ors
ors
10000,
romators
tandard)
band of
X and EN
excitatio
0 V)
modifie
modifie
nodified
nodified
or EX
OI EA
or EM
JI LUVI
band of
10nm EN
ı ba

STANDARD COMPOSITION	
Spectrofluorometer	1 set
AC power cable	1 pc.
RS-232C cable	1 pc.
Spare fuse	2 pcs.
Fluorescence cell, 10 mm path.	1 pc.
Allne wrench	1 pc.
Spectra Manager software package	1 set
Instruction manual	1 set
Triangle quartz cell	1 pc.
Cut-off filter, R-60	1 pc.
Diffusion plate (white plate)	1 pc.
Diffusion plate (mirror)	1 pc.
Attenuator	1 pc.
Mini pipetter	1 pc.
Test tube holder	1 pc.
Rhodamine B	1 bottle

ORDERING INFORMATION		
Code No.	Description	
6807-J007A	FP-6500 Spectrofluorometer	
6807-J008A	FP-6600 Spectrofluorometer	

OPTIONAL ACCESSORIES					
Code No.					
Fluorescence	Cells				
1103-0081	FP-1004	Standard fluorescence cell			
1103-0180	FP-1003	Non-fluorescence rectangular cell			
OptionalAcco	Optional Accessories for Bio-Applications				
6808-J021A	FMH-110	Micro cell holder			
6808-J022A	FMM-100	Micro quartz cell for FMH-110			
6808-J013A	STR-313	Water thermostattable cell holder with stirrer			
6808-J001A	ETC-273	Peltier thermostatted single cell holder with stirrer (Water-cooled)			
6808-J002A	EHC-573	Peltier thermostatted single cell holder with stirrer (Air-cooled)			
6808-J008A	FCT-133	Water thermostattable automatic 8-position turret cell changer			
6808-J006A	CSP-143	Sample holder lid with syringe port			
6808-J003A	ADP-303	Peltier thermostatted depolarization accessory (Water-cooled)			
6808-J004A	APH-103	Peltier thermostatted depolarization accessory (Air-cooled)			
6808-J026A	ATS-443	Automatic titration accessory			
6784-J052A	SFA-452	Stopped-flow accessory (2 syringes)			
6784-J053A	SFA-453	Stopped-flow accessory (3 syringes)			
6784-J054A	SFA-454	Stopped-flow accessory (4 syringes)			
6784-J152A	SFA-452T	Peltier thermostatted stopped-flow accessory (2 syringes)			
6784-J153A	SFA-453T	Peltier thermostatted stopped-flow accessory (3 syringes)			
6784-J154A	SFA-454T	Peltier thermostatted stopped-flow accessory (4 syringes)			
Optional Acc	Optional Accessories for Environmental or Routine Applications				
6808-J010A	QFS-253	Vacuum sipper			
6808-J009A	SHP-393	Peristaltic sipper			
6808-J024A	FHM-400	High sensitivity cell holder			
6808-J016A	FSC-423	Micro flow cell unit with 15 µl cell			
6808-J017A	FSC-523	Micro flow cell unit with 30 μl cell			
6808-J018A	FSC-623	Micro flow cell unit with 100 μl cell			
6808-J011A	MFC-233	HPLC flow cell accessory			
6774-J001A	ASU-605	Autosampler			
6708-J051A	NCS-609	Syringe pump			
6808-J035A	FMP-963	Microplate reader			
Other Optional Accessories					
6808-J025A	FSA-400	30 < incident angle cell holder			
6808-J023A	FDA-430	Solid sample holder			
6808-J012A	EFA-383	Epifluorescence accessory			
6808-J020A	FUV-420	Accessory for UV/Vis. measurement			
6808-J138A) Polarizer and analyzer accessory (for UV/Vis. range)			
6808-J029A	FDP-213	Polarizer and analyzer accessory (for Vis. range)			
6808-J014A	PMA-283	Low temperature measurement accessory			
6808-J015A	OBF-123	Fiber optics accessory			
6808-J027A	WRE-343	PM tube for longer wavelength range			
6808-J007A	ESC-333	Standard light source for spectral correction			
6808-J030A	ROU-233	Analog output I/F (factory option)			



Necessary jig are provided as standard.

• Specifications are subject to change without notice.

JASCO INTERNATIONAL CO., LTD. 4-21, Sennin-cho 2-chome, Hachioji, Tokyo 193-0835, Japan

Tel: +81-42-666-1322 Fax: +81-42-665-6512 Internet: http://www.jascoint.co.jp/english/index.html

Australia, China, Hong Kong, India, Indonesia, Iran, Korea, Malaysia, New Zealand, Pakistan, Philippines, Russia, Singapore, South Africa, Taiwan, Thailand

UV-30 filter, L-39 filter, R-60 filter and secondary low pressure mercury lamp are built in the FP-6500/6600.

JASCO INCORPORATED

8649 Commerce Drive, Easton, Maryland 21601-9903, U.S.A

Tel:+1-800-333-5272 Tel:+1-410-822-1220 Fax:+1-410-822-7526 Internet:http://www.jascoinc.com

Canada, Costa Rica, Mexico, Puerto Rico, Argentina, Brazil, Chile, Colombia, Paraguay, Peru, Uruguay

JASCO EUROPE s.r.l.

Via Confalonieri 25, 23894 Cremella (Lc), Italy

Tel: +39-039-956439 Fax: +39-039-958642 www.jasco-europe.com

JASCO Deutschland www.jasco.de, JASCO UK www.jasco.co.uk, JASCO France www.jascofrance.fr,

JASCO Benelux www.jasco.nl, JASCO Spain www.jasco-spain.com, JASCO Scandinavia www.jascoscandinavia.se Austria, Finland, Greece, Hungary, Poland, Portugal, Romania, Switzerland, Algeria, Cyprus,

Egypt, Israel, Jordan, Kuwait, Lebanon, Morocco, Saudi Arabia, Syria, Tunisia, Turkey, U.A.E.



Serving the global marketplace with Analytical Instrumentation **JASCO Corporation**