

**Shamzu RF-5301PC Spectrofluorophotometer**



**Specification:**

<b>Light Source</b>	150 W Xenon lamp. Ozone resolving type lamp housing.
<b>Excitation and emission monochromators</b>	Concave, blazed holographic grating, F/2.5, 1300 grooves/mm.
<b>Wavelength scale</b>	220-900 nm.
<b>Measuring wavelength range</b>	220-750 nm and 0 order as standard. 220-900 nm with the optional R928 photomultiplier.
<b>Spectral bandwidth</b>	6-step selection of 1.5, 3, 5, 10, 15 and 20 nm. (6nm bandwidth is available for half sample height on the excitation side only.)
<b>Wavelength accuracy</b>	±1.5 nm.
<b>Light source compensation</b>	Dynode feedback system with monochromatic light monitoring.
<b>Sensitivity</b>	The S/N ratio is 150 or higher for the Raman line of distilled water (350 nm excitation wavelength, 5nm spectral bandwidth, and 2 second response for 98 % of the full scale).
<b>Wavelength scanning</b>	7-step selection of Survey (about 5500 nm/min), Super (about 3000 nm/min), Very Fast, Fast, Medium, Slow and Very Slow.
<b>Wavelength slewing speed</b>	About 20000 nm/min.
<b>Response</b>	8-step selection of 0.02, 0.03, 0.1, 0.25, 0.5, 2, 4, and 8 seconds for 98 % of the full scale.
<b>Sensitivity selection</b>	2-steps of HIGH and LOW. (The sensitivity at HIGH is about 50 times that of LOW.)
<b>Interface</b>	RS-232C interface, interface for autosampler, and interface for sipper unit.
<b>Dimensions and weight</b>	667W x 530D x 270H mm; 43 kg.



**Power requirements**      100, 120, 220, 240 V; 50/60 Hz; 400 VA.

**Operational  
temperature range**      15-35 °C

**Operational humidity  
range**      40-80 % (Below 70 % with temperature higher than 30 °C).

**Contact Us**

Faculty in charge: Prof. Geetha R. Balakrishna

E-mail: [br.geetha@jainuniversity.ac.in](mailto:br.geetha@jainuniversity.ac.in)

Contact number: +91 9886150598