X Band ESR Spectroscopy



Make: JEOL RESONANCE Inc., Japan

Model : JES-FA100

Applications:

ESR Spectrometer is used for the measurement of species that contain unpaired electrons Free radicals, transition metal complexes, molecular structure, valence electron wave functions, electron transport, crystal & ligand field splitting, relaxation mechanisms and reaction kinetics, odd-electron molecules, rare earth ions etc. ESR is a powerful nondestructive and non-intrusive analytical method. ESR yields meaningful structural information even from ongoing chemical or physical processes, without influencing the process itself.

Specifications:

- Standard Frequency (X band) : 8.75 - 9.65 GHz
- Sensitivity : 7x109 spins/0.6mT
- Resolution : 3 μT or better-Temperature study - Variable Tempera ture facility (-153 to +25 °C)

Tariff	Tariff for NITW Students	External Academic (18 % GST Extra)	Industry (18 % GST Extra)
	Per Sample	Per Sample	Per Sample
Room Temp	₹ 200	₹ 500	₹ 1500
Variable Temp	₹ 400	₹ 1000	₹ 2500