

# Most Versatile Raman Spectrometer

## RS 2000 Series



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► Specification:-

The Inpire from Analytical Tech represents the state-of-the-art for an accurate, cost-effective and easy-to-use Raman spectrometer. Our premium instrument features a choice of two diode laser wavelengths, TE-cooled back-thinned CCD array detector and the Raman filter sampling module.

The Inpire can handle multiple sensing requirements simply and quickly by changing the stainless steel probe cap. The sample compartment accommodates vials in its own totally dark environment. The Inpire meets stringent USP Monograph 1120 requirements for resolution, sensitivity and stability. It comes with RSIQ software that operates the spectrometer and performs 10Q with one touch test and qualification.

## Benefits

### **Versatile operation :**

Sampling can be done either through the rugged probe or through the internal sample compartment. Three options allow the user to sample just about any solid, liquid or powder through just about any container.

### **Sensitivity :**

The Inpire is built with a TE cooled, back-thinned detector array and a Raman filter sampling module for sensitive detection.

### **Compact and portable :**

The spectrometer measures 5"x9"x13" and weighs less than 8 lbs. Its rugged construction and ergonomic design allows it to be carried just about anywhere and set up in seconds.

### **Simplicity of Operation :**

The newly designed RSIQ software allows true point-and-click operation. Sample spectra, including automatic dark current subtraction, takes only a matter of seconds.

### **Adaptability :**

The optional QUAL software enables the user to put thousands of reference spectra at one's fingertips by reading and storing any of the commercially available spectral libraries that conform to the universal SPC file format. The user can create one's own libraries. The optional QUAINT software uses multivariate analysis to make the determination of concentrations just as easy.

►► **Specification:-**

	2785L	2785LE	2532L
<b>Excitation Wavelength (nm)</b>	785	785	532
<b>Laser Power (mW)</b>	5 to 290	5 to 300	5 to 100
<b>Spectral Range (cm-1)</b>	150 to 1800	200 to 3000	200 to 3400
<b>Spectral Resolution (cm-1)</b>	<6	~9	<10
<b>Wavelength Stability (cm-1)</b>	<1 in 12 hours		
<b>Photometric Stability</b>	<1% in 12 hours		
<b>Optics</b>	NA=0.22, Laser spot size=0.1 to 0.3mm		
<b>Power</b>	12 VDC from power adapter input =100/240 VAC @ 50/60Hz		
<b>Size</b>	(W) 14.2 in, (D) 7.5 in, (H) 4.3 in (36 x 29 x11cm)		
<b>Weight (lb)</b>	<8 lb (3.6 Kg)		
<b>Operating temperature (°C)</b>	-25 to 45		

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [info@analyticalfoundation.org](mailto:info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ Reach us @



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