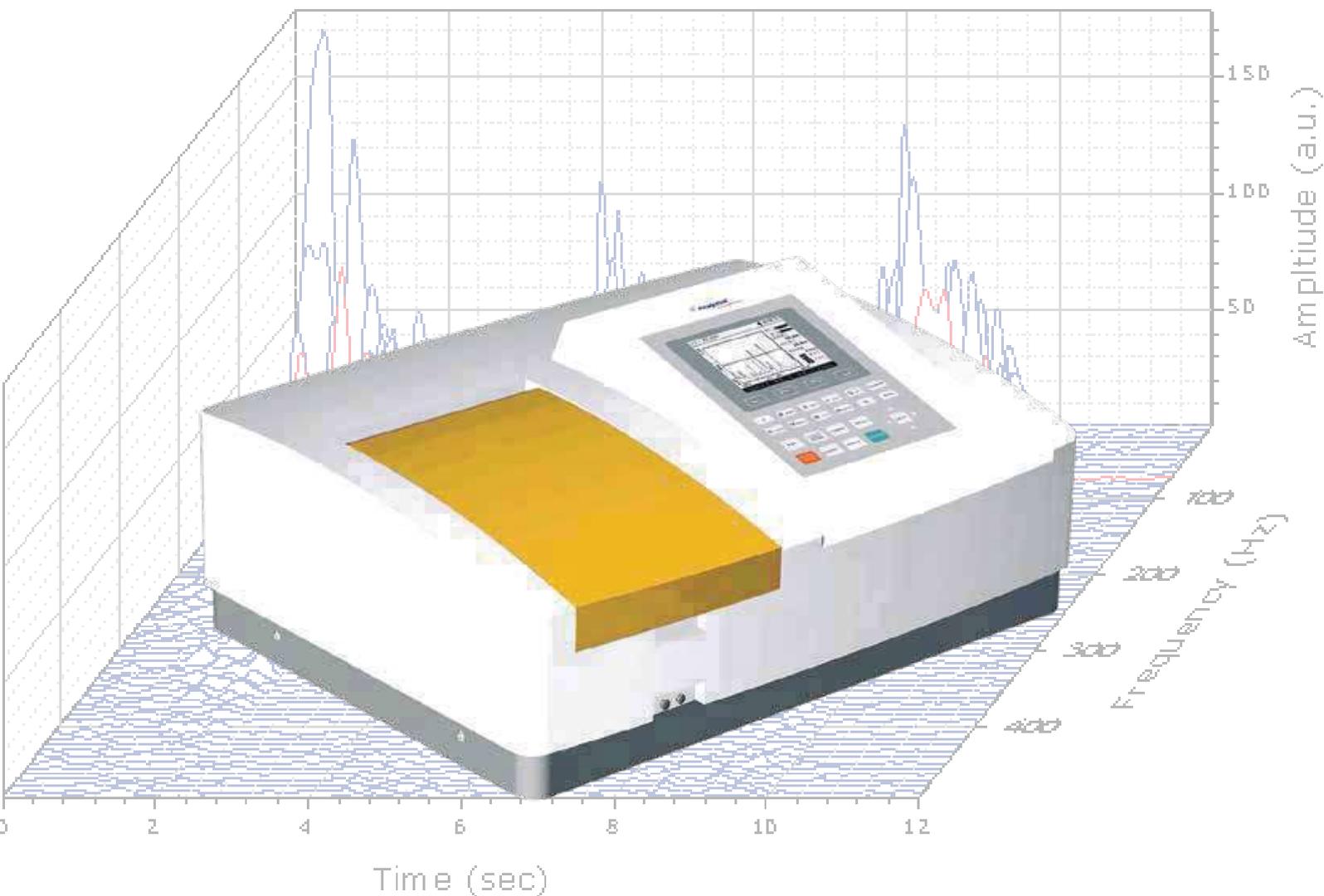


UV-Vis Spectrophotometer 2080 N



Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

▶▶ Product Description:

The 2080 N of UV-Vis spectrophotometer is designed to meet high requirement for precision measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industry, etc. The latest ARM system and long optical system ensure high accuracy and good stability of the instrument. They are the best choice of high quality spectrophotometer.

▶▶ Features:

1. 7 inches color LCD and windows Graphic interface make the instrument easy to operate.
2. The in-house memory is capable of saving up to 5000 test data or 500 working curves.
3. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
4. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
5. Plug type deuterium lamp and tungsten lamp or xenon flash transfer lamps without optics debugging.
6. Large room for samples can hold cuvettes of various specifications.
7. Auto 8-cell holder is optional.
8. Electronics data integrity pc controlled complaint software (21 CFR part 11)

▶▶ Specifications:

Photometric Repeatability	Double Beam, Grating 1200 lines/mm
Monochromator Type	Czerny-Turner
Wavelength Range	190 nm -1100nm
Spectral Bandwidth	1nm
Wavelength Accuracy	±0.1nm
Wavelength Repeatability	≤ =0.1nm
Photometric Accuracy	±0.001%T(0~100%T)
Photometric Repeatability	±0.1%T(0~100%T)
Photometric Range	0-100%T; ±4 Abs
Photometric reflectance	±0.2%
Stray Light	Automatic
Stability	±0.0003A/h @500 nm
Work mode	Transmittance, Absorbance, concentration (wavelength, time), reflectance
Baseline Flatness	±0.0010A
Scanning speed	Fast, Mid, Slow
Wavelength setting	Auto
Display	7" color LCD
Switching of Light Source	Automatic
Light Source	Imported Deuterium & Tungsten lamp or Xenon Flash

Detector	Imported Silicon Photodiode
Resolution	1 nm
Focal length	200 to 249 mm
Baseline correction	Automatic
Output	USB/RS232/ETHERNET
Power	AC 220V/50Hz or AC 110V/60Hz
Dimension	590 x 475 x 250mm
Net Weight	20kg
Shipping Size	770*630*340mm
Gross Weight	26kg

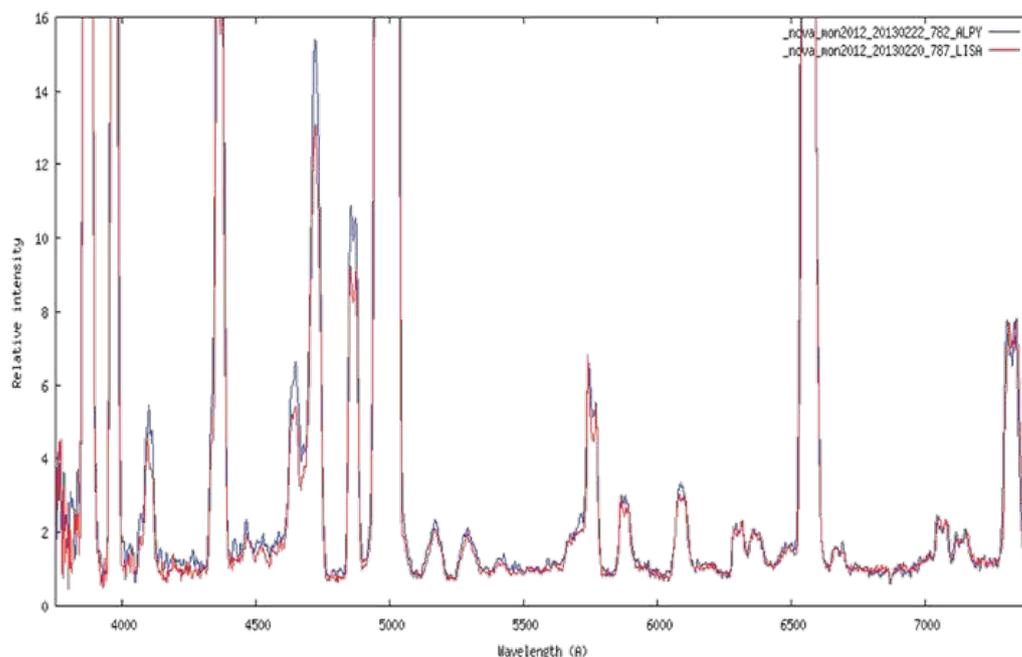
▶▶ **Accessories(Optional)**

- 5mm-100mm Glass Cuvettes
- 5mm-100mm Quartz Cuvettes
- Manual 4-Cell Holder (10-100mm)
- Auto 8-cell holder
- Tungsten Lamp
- Deuterium Lamp



● **Diffuse Reflectance Spectro (DRS)(Optional)**

1. Uses all-aluminum coated optics rather than traditional integrating spheres in its design
2. Integrating spheres limit the wavelength range in the ultraviolet region
3. All-specular optical system uses the full wavelength range of the instrument down to 190nm.
4. Can be used with our Spectrophotometers, which has an upper wavelength range of 1100nm, providing extended wavelength coverage in the NIR region without having to purchase a more expensive UV-Visible or NIR instrument



▶▶ 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

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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