

PRO - 3300

Spectrophotometer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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►► Specification

Measuring technology	Spectrophotometer with reference beam technology
Wavelength range	190 – 1,100 nm
Lamp type	Xenon flash lamp
Measuring modes	Concentration, absorbance, transmission, multi wavelengths, spectra and kinetics in absorbance and
Spectral bandwidth	4 nm
Wavelength resolution	1 nm (scan 0.1 nm)
Wavelength reproducibility	± 0.2 nm
Wavelength accuracy	± 1 nm
Stray light	≤ 0.1 % transmission at 340 nm; ≤ 1 % transmission at 198 nm
Photometric range	± 3.0 Abs
Absorbance resolution	0.001 Abs
Absorbance reproducibility	± 0.003 absorbance at 1 absorbance between 200 nm and 900 nm
Absorbance accuracy	at 300 – 900 nm 1 absorbance: ± 0.005 absorbance 2 absorbance: ± 0.005 absorbance 2.5 absorbance: ± 0.008 absorbance
Scan	Limits freely selectable within the wavelength range Increment: 0.1/1/5 nm Recording duration for the complete wavelength range: < 7 min
Smart Screen Display	Resistive touch screen
Live ID barcode	Automatic 2-D barcode reading system for all Spectroquant cell and reagent tests Barcode contains lot, expiry, and calibration data. Data stored with each measurement.
Cell size	16 mm round cells, 10, 20 and 50 mm rectangular cells with automatic recognition
Cell holder	Removable for easy cleaning
Methods	Programmed methods of all Spectroquant cell and reagent tests, additional user defined methods: 99 concentration mode, 20 kinetic mode, 20 wavelength scans
Applications	Free preprogrammed applications: bromate, brewery packages (MEBAK/EBC methods), sugar (ICUMSA), oil (DOBI, olive oil)
Ambient light protection	Measurement with open shaft possible due to proprietary solution (patent pending)
AQA prime	Individual settings for all methods in AQA 1 mode: instrument check using PhotoCheck and/or Certipur standards AQA 2 mode: system check using CombiCheck or CRM standard solutions
Monitoring functions	Instrument supported pipette check and sample matrix check
Ad hoc measurement	Direct access to absorption/transmission, kinetic and spectrum measurement
Software and method update	Free updates on Millipore website via internet and USB stick

Communication interfaces	USB: 2 x USB-A (for printer, USB memory devices, keyboard or bar code reader), 1 x USB-B Ethernet: LAN connection
Data storage	2,000 single measured values from the measuring modes concentration, absorbance / % transmission and multi wavelengths. 20 measurement result records of spectra and kinetics methods each.
Languages	English, German, Spanish, French, Italian, Brazilian-Portuguese, Chinese (simplified and traditional), Japanese, Russian, Bulgarian, Czech, Danish, Dutch, Greek, Hungarian, Indonesian, Malay, Mazedonian, Norwegian, Polish, Romanian, Serbian, Slovenian, Swedish, Thai, Turkish, Vietnamese
Protection class	IP 31 for optics and electronics
Power supply	Power supply with 3 cables (1.2 m long) fitting US, EU and UK plugs Total cable length 3 m (1.8 and 1.2 m)
Power requirements	100 V – 230 V, 50 – 60 Hz
Power consumption	Standard working condition: 15 W; power save mode: 8.4 W
Temperature	Operation: 10 – 35°C; storage: -20°C to +60°C for 24 hours
Allowable relative humidity	Operation: 20 – 80 % rH, storage in ambient relative humidity conditions of 20 % to 95 %. Non-condensing
Dimensions	416 x 276 x 237 mm (width x depth x height)
Weight	approx. 6.8 kg
Warranty	12 months
EMC	Directive 2004/108/EC, EN IEC61326-1, IEC61326-1
Instrument safety	EN 61010-1, UL IEC61010-1

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



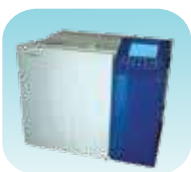
UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



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Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



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TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



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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.



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