

# MA-3322

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## Mercury Analyzer



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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

- MA 3322 is the ideal Mercury Analyzer (cold vapor) for laboratory use. Its advanced Micro-controller coupled with high speed sensor allow real time plotting of mercury detection which aids user to compare standards and rule out invalid readings.

With fully automated filters and pump control, user can trigger a reading schedule which controls various actions like Auto Zero, Pump On, Hold maximum reading automatically. This unique feature allows analyst to concentrate on analysis, and not the process.

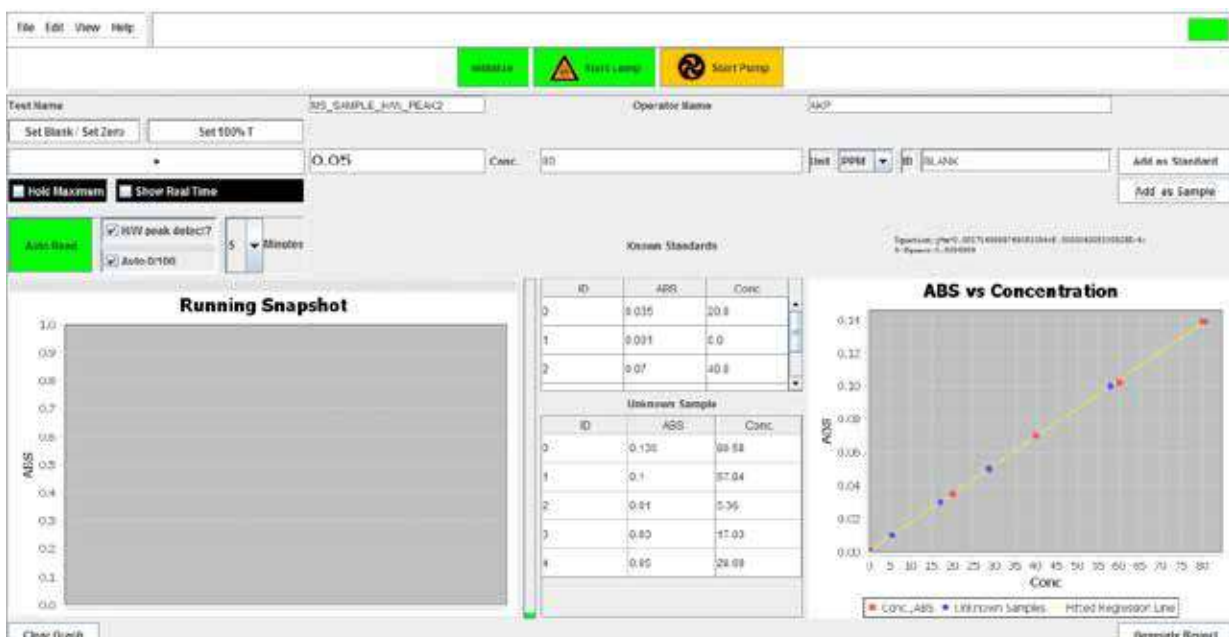
## ►► Features

- Lower detection : 2.0 nanogram absolute
- Higher Limit: > 500 nanogram absolute
- Reads up to 3.0 ABS (linear range > 1.0 ABS)
- Real-time peak detection and display on powerful analysis application
- Auto filter selection for Zeroing and Reading
- Pre-aligned optics allow easy lamp change operation
- Modular design to accommodate larger cells
- Fully automatic reading schedules with various configurable time period
- Automatic Dark current correction
- Proprietary Glassware holder to save space. Can be mounted on the analyzer or nearby
- Automatic reading schedule performs the following tasks autonomously
  - o Auto Zero/Auto Hundred
  - o Self Zero Check
  - o Start Reading
  - o Hold Maxima
  - o Start Pump to initiate Mercury Flow into the chamber
  - o Read complete snapshot
  - o Stop Pump
  - o Automatic record maxima reading for further analysis
- Autonomous application means all sample/standard reading follow exactly same period and process; thus eliminating error due to other factors

## ►► Specifications

| Parameter                 | Details   |
|---------------------------|---|
| Detection Limit           | Lower detection : 2.0 nano gram absolute<br>Higher range: >500 nano gram absolute   |
| Sample cell length        | 180.0mm   |
| Photometric System        | Single Beam optics  |
| Photometric range         | Absorbance: 0.0 to 3.0 Abs  |
| Light source              | Plug- in pre-aligned Mercury lamp [253.7 nm] with Quartz window and Glass protection  |
| Detector                  | Silicon high performance UV photodiode sourced from Hamamatsu Photonics   |
| Output device             | USB through PC  |
| Software                  | Mercury Analyzer(Microsoft Windows 7 and above)   |
| Power Requirements        | 230v   50hz   200va   |
| Dimensions (Of Main Unit) | 510 W X 230 H X 350 D mm  |
| Weight                    | 12 Kg (Approx.)   |
| Standard Supply           | - Mercury analyzer - A set of Reaction vessel<br>- Magnetic stirrer<br>- Stand for vessel - Laptop with Mercury analysis software |

## ►► Application



## 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



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Chromatograph  
3007



Optima Gas  
Chromatograph  
2979 Plus



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Atomic Absorption  
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Liquid Particle  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



HEMA 2062  
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Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



TOC  
Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system



## 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 DETOXIFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



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