

AT-112^{PLUS} Biochemistry Analyzer



**TRUSTED PERFORMANCE
FOR OVER 15 YEARS!**

Specifications	
Methodology	End point, kinetic, fixed time & absorbance
Calibration	Single standard/multi-point linear/multi-point non-linear
Programmable channels	112
Memory	3200 results
Quality control	Comprehensive QC software with L-J graph
Light source	Quartz-Halogen lamp 12V / 20W
Photometric range	0.0000 to 3.0000 Abs Resolution : 0.0001 Abs ; Drift : 0.002 Abs/hour
Wavelength range	7 standard filters: 340, 405, 492, 510, 546, 578, 630 nm & 1 free optional position ; Half Bandwidth < 8 nm ; Stray light : < 1.0 % at 340 nm
Flowcell	Stainless steel body with quartz window; Optical path 10 mm
Measuring volume	32 µl
Programmable aspiration volume	500-2000 µl
Temperature control	Peltier elements : 25°C, 30°C & 37°C ±0.1°C
Input	Ergonomic LCD touch screen display
Printer	Built-in high speed thermal printer
Interface	RS-232 serial port
Dimension / Weight	450 x 360 x 140 mm / 11.5 kgs
Operating environment	Temperature: 15-30°C ; Humidity: 20-80 %
Power requirement	AC 110-220 V ±10%, 50/60 Hz

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www.accurex.net



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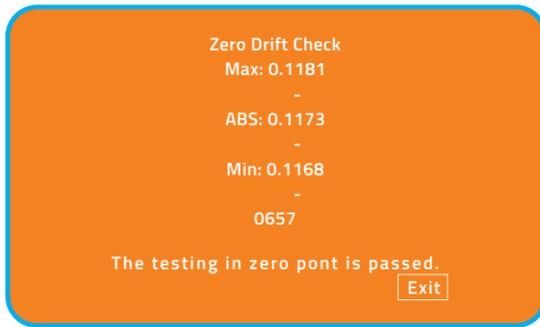


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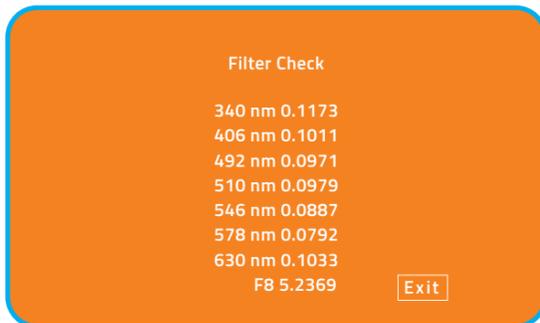
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— Since 1984 —



① ZERO DRIFT

- Comprehensive status check of 340 nm UV filter.
- Easy-to-perform 10 minute procedure .
- The system prompts the user when the zero-drift passes ensuring that the 340 nm filter is in good condition and the results for kinetic tests are accurate.



✓ FILTER CHECK

- Self-check operation for optical filters.
- Checks the absorbance of each of the 7 filters & free position.
- Ensures that all the filters are in good working condition.

📋 WORKLIST

- A unique facility by which a worklist can be prepared for every sample ID.
- Printouts can be taken by sample ID or test parameters.
- Print by ID : Ensures that no test is left out for a particular ID.
- Print by Test : Ensures that all reagents / working solutions are prepared in correct volumes preventing wastage.
- The system flags any test which is missed out for a particular ID, ensuring all assay panel is completed.

💰 LAMP SAVING

- Lamp saving option available ensuring long lamp life.
- The lamp can be turned off in case of sporadic sample workload.

🚨 ALARMS

- Audio alarm is sounded when results are higher (S) or lower (L) than reference range ensuring that all abnormal samples are flagged for further review.



ACCUREX

- Improved ergonomic touch screen display, ensures strain free viewing
- End point, kinetic, fixed time & absorbance mode
- Single & bichromatic measurement
- Memory : 3200 results
- 112 programmable channels
- Calibration modes – 1 standard / multi-point linear / multi-point non-linear
- Easy-access maintenance chamber ensures efficient uptime management
- Real-time reaction curve display
- Anti-vibration & anti-disturbance optical system ensures highly accurate results
- Option of 7 filters (340 - 630 nm) & 1 free position
- Comprehensive quality control program with L-J graph
- Lamp saving feature to prolong lamp life
- Audible / visual alarm available
- Easy-tear printer design

ERGONOMIC DISPLAY DESIGN

- The position of the LCD display has been designed to reduce cervical (neck muscle) strain during continual use.
- The aerial view display design makes it possible to view the screen from multiple perspectives, (standing or sitting, with equal clarity).

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