



— Since 1984 —

ACCULAB AT112^{neo}



**New generation semi-auto chemistry
analyser offering simultaneously:**

Colour LCD Screen

Flow Cell

Powerful Data Storage

Features

- End point, kinetics, fixed time absorbance, turbidimetry
- All in one optical system, high reliability and anti-interference
- 7 filters (340nm~630nm)
- Reaction curve and QC graph print-out
- Dynamic temperature control of Peltier elements, 25°C, 30°C, 37°C
- Upto 112 test profiles can be programmed
- Memory for 110,000 sample results
- Touch screen, 7.0" TFT, large colour LCD display
- Easy to use operation and minimum daily maintenance
- Real time monitor of reaction curve/ data



Specifications

- **Light Source:** Quartz-Halogen lamp 12V/ 20W
- **Wavelength range**
Automatic by 7 positions filter-wheel
7 standard filters: 340nm, 405nm, 492nm, 510nm, 546nm, 578nm, 630nm,
Half bandwidth: <8nm
Stray light: <0.3% at 340nm
- **Photometric Range**
0.0000 to 3.0000 ABS
Resolution: 0.0001 ABS
Stability: 0.002A/ hour
- **Flowcell**
Stainless steel with quartz window
Measuring volume 32 uL
Optical path 10mm
Aspiration volume programmable: 200-2000 uL
Carryover <0.5%
- **Analysis Method**
End point, with or without reagent blank
End point, with sample blank, with or without reagent blank
Kinetic, with or without reagent blank
Two-point kinetic/ fixed time, with or without reagent blank
Absorbance
Turbidimetry
Linear and non-linear calibration
Mono and Bichromatic readings are possible
- **Input**
large colour LCD Touch-screen 7.0" TFT
- **Memory**
112 test profiles
upto 100,000
upto 210 open programs
- **Parameter Settings**
Method
Wavelength
Temperature
Reagent blank y/ n
Sample blank y/ n
Lag time
Measurement time
Reaction time
Absorbance limit
Aspiration volume
Standards
Linearity check
Unit for results
- **Temperature Control**
by means of Peltier elements
25°C, 30°C, 37°C 0.1°C
- **Print:** Built in thermal recorder
- **Interface:** RS-232 serial port
Input/ output: USB port can be used to upgrade software
Printout: Built in thermal recorder
Display: large colour LCD display, 7.0" TFT, Resolution
- **Operating Environment**
Temperature: 10°C ~ 30°C
Humidity: 70%
Power Requirement
AC 220V/ 110V 10%, 50Hz 2%
- **Dimension:** 420mm (H) X 380mm(W) X 170mm(D)
- **Weight:** 8.5 kg