

# EA-112

● Biochemistry Analyzer



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## ● Biochemistry Analyzer



### Features

- End point, kinetics, fixed time absorbance
- All-in-one optical system, high reliability and anti-interference
- 7 filters (340nm-630nm) + 1 free position
- Reaction curve and QC graph print-out
- Dynamic temperature control of Peltier elements, 25°C, 30°C, 37°C
- Up to 112 test profiles can be programmed
- Memory for 3200 sample results
- Touch screen, large LCD display



### Specifications

#### ● LIGHT SOURCE

Quartz-halogen lamp 12V/20W

#### ● WAVELENGTH RANGE

Automatic by 8 positions filter-wheel  
7 standard filters : 340, 405nm, 492nm, 510nm, 546nm, 578nm, 630nm  
1 position free for optional filter  
Half bandwidth < 8nm  
Stray light : < 0.3% at 340nm

#### ● PHOTOMETRIC RANGE

0.0000 to 3.0000 ABS  
Resolution : 0.0001 ABS  
Stability : 0.002 A/hour

#### ● FLOWCELL

Stainless steel with quartz window  
Measuring volume 32 µl  
Optical path 10mm  
Aspiration volume programmable : 200-3000µl  
Carryover<1.0%

#### ● ANALYSIS METHOD

End point, with or without reagent blank,

End point, with sample blank, with or without reagent blank  
Kinetic, with or without linearity check  
Two-point kinetic / fixed time, with or without reagent blank  
Absorbance  
Turbidimetry  
Linear and non-linear calibration

#### ● 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

#### ● MEMORY

112 test profiles  
3200 sample results

#### ● TEMPERATURE CONTROL

By means of Peltier elements  
25°C, 30°C, 37°C ± 0.1°C

#### ● INPUT

Touch screen

#### ● DISPLAY

Large LCD display

#### ● PRINT

Built-in-thermal recorder

#### ● INTERFACE

RS-232 serial port

#### ● OPERATING ENVIRONMENT

Temperature : 10°C ~ 30°C  
Humidity : ≤70%

#### POWER REQUIREMENT

AC 220V / 110V ± 10%, 50 Hz ± 2%

#### ● DIMENSION

420 mm (H) x 380 mm (W) x 170 mm (D)

#### ● WEIGHT

8.5 kg



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