



iChem[®]
Semi Auto Analyser



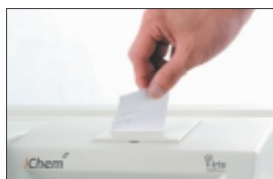


iChem

Semi Auto Analyser

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: 340nm, 405nm, 492nm, 510nm, 546nm, 578nm, 630nm
1 position free for optional filter
Half bandwidth <8nm
Stray light : <1.0% 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 μ L
Optical path 10mm
Aspiration volume programmable : 200~2000 μ L
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 \pm 0.1°C

• INPUT

Touch screen

• DISPLAY

Large LCD display

• PRINT

Built-in thermal recorder

• INTERFACE

RS232 serial port

• OPERATING ENVIRONMENT

Temperature : 15°C ~30°C
Humidity \leq 70%

POWER REQUIREMENT

AC 220V / 110V \pm 10%, 50/60Hz

• DIMENSION

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

• WEIGHT

8.0 kg