SAWIN
BIOMEDICALS PVT LTD

SB-112

● Biochemistry Analyzer

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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 bland, 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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