

Chemistry Analyzer

DR-7000 D Semi-automatic Chemistry Analyzer

Features:

Optic system adopts new type of interface filters which is featured by heat-resistant, moist-resistant, longevity of service, little center wavelength excursion, high optical signal-noise ratio etc. The main control system adopts industrial ARM and new type of high precision Σ - Δ A/D transfer, with high measurement precision and reliable. English operation interface, real-time reaction curve display and enlarge. Barcode reader connection is available and the flip open shell is more convenient for maintenance.

Wavelength:

340nm、405nm、450nm、492nm、505nm、546nm、578nm、630nm

Testing range:

200 testing programs, open reagent system.

Temperature control:

25°C, 30°C, 37°C, $\pm 0.1^\circ\text{C}$, temperature balance time less than 10s.

Methodology:

Kinetic, 2-point kinetic, End point, multi-standard, absorbance, measure and calibration for QC and QC graphic.

Display:

Large LCD display. English interface, legible display effect in a poor light available.

Output:

Built-in thermal printer, ready-to-use print out, QC result, data, test result and integrated report print out. External printer connection is available.



Interface:

RS-232 serial port and on-line CD.

Memory:

Flash memorizer could save 200 testing programs, 3000 testing results. Function to save test results by accidental power-off and test results research, display and printing.



Operating environment:

Power supply: 220VAC $\pm 10\%$, 50 ± 1 HZ
Temperature: 15°C~30°C
Relative Humidity: $\leq 85\%$ RH
Dimension: 462mmX418mmX232mm
Weight: 6.5KG



Specification:

Wavelength range: 8 wavelengths optional
Wavelength Accuracy: ± 2 nm
Spectrum bandwidth: 6~12nm
Absorbancy: -0.3~3.0 ABS
Resolution: Display with 1m ABS, internal with 0.1m ABS
Linearity: less than 2% within 2ABS
Stability: 20 minutes for warm-up and then ≤ 2 mABS/hour
Measure repeatability: ≤ 2 mABS

Measurement time: 0~999s programmable
Delay time: 0~999s programmable
Memory: 200 testing programs, 3000 testing results
Sampling: 500~9999 μl programmable
Microflowcell volume: 32 μl
Cross-contamination: $\leq 1\%$
Absorbancy repeatability: CV $\leq 1\%$
Display: 240x128 dot-matrix LCD
Power consumption: 85W

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