



DR-7000D

Semi-automatic Chemistry Analyzer



DIRUI

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Features:

The optical system utilizes improved interface filters, featuring heat and moisture resistant, long service life, minimal center wavelength excursion, and single-noise ratio, etc. The main control system adopts industrial ARM and high precision Σ - Δ /D transfer, with high measurement precision and reliability. Multilingual operation interface with real-time reaction curve display. 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, ($\pm 1^\circ\text{C}$)

Methodology:

Kinetic, 2-point rate, end point, multi-standard, absorbance, measure and calibration for QC and QC graphic.

Display:

Large LCD display. Multilingual display. Legible display in poor light.

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:

Built-in flash memory can save up to 200 test programs and 3000 results.

Ability to recover test results after accidental power-off.



Operating environment:

Power supply: 100~240VAC, 50Hz/60Hz

Temperature: 15°C~30°C

Relative Humidity: $\leq 75\%RH$

Dimension: 462mm $\times$ 418mm $\times$ 232mm

Weight: 6.5kg



Specification:

Wavelength range: 8 wavelengths optional

Wavelength Accuracy: $\pm 2\text{nm}$

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 $\leq 2\text{mABS/hour}$

Measure repeatability: $\leq 2\text{mABS}$

Measurement time: 0~999s programmable

Delay time: 0~999s programmable

Memory: 200 testing programs, 3000 testing results

Sampling: 100~9999 μl programmable

Flowcell volume: 32 μl

Cross-contamination: $\leq 1\%$

Absorbancy repeatability: $CV \leq 1\%$

Display: 240 $\times$ 128 dot-matrix LCD

Power consumption: 85W



Certified to

ISO 9001:2008 and ISO 13485:2003

DIRUI INDUSTRIAL CO., LTD.

3333 Yiju Street, New&High Tech. Development Zone
Changchun, Jilin 130103, P.R.China

Tel: +86(431)81935329 85100409

Fax: +86(431)85172581 85083741

E-mail: dirui@dirui.com.cn Http://www.dirui.com.cn

•Specifications subject to change without notice.

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