DW-TC220 Automatic Chemistry Analyzer

Sample/Reagent Position	18pcs sample position
	Reagent refrigerated function
	26pcs reagent position
Reaction Cuvettes	60 pcs reusable plastic cuvettes
	Automatic blank testing for cuvette
	Colorimetry system in the pattern of light splitting behind cuvette
	Dismountable, easily replacement
7-Step Auto Cleaning System	Automatic 7-step washing
	Hi-tech washing station to ensure accurate results
	With low water consumption: 1-2L/H
System Functions	Analysis Methods: end-point, kinetic, two-point, double-reagent, double-wavelength, multi-standard etc, open to various reagents
Operation System	Windows XP or Windows 7
Reaction System	Reaction Cuvette: 60 reusable plastic units
	Optical Length of Cuvette: 6mm
	Reaction Volume: 180～500pl
	Max reaction Time: 12 minutes
	Reaction Temperature: 37±0.1°C
Sample/Reagent/Mixing Probe	Automatic liquid level detect
	Collision protection function
	Probe internal/external washing
	Independent mixing probe

Intellective software

• Automatic washing cuvette when startup & shut down

• Automatic detect reagent volume during every startup

• Reagent plate temperature detecting when startup

Optimum calibration cuvette

• Automatic cuvette blank testing

• Automatic wash selected cuvette

Dynamic and Real-time display of running status

• Real-time online monitoring running status of sample tray, reagent tray and cuvette

• Real-time online monitoring reagents residual volume

• Real-time online monitoring waste volume

Automatic dilute and re-test

• Automatic dilute and re-test when absorbance range is out of range

• Automatic dilute and re-test when linear limit is out of range

• Automatic dilute and re-test when linear range is out of range

• Freely set the auto dilute ratio and dilute water position

A revolutionary automatic biochemistry analyzer with

• Compact design: 54.8cmX42.2cmX38.3cm

• Easy to cany: net weight≤23kg

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Optimal substitution of semi-auto biochemistry analyzer

• Minimal labor required

• Independent mixing probe

• Utility of reagents decreased: 300ul/test

• Efficiency speed: 200 tests/hour

• User friendly: Smart and easy-operating software

• High Accuracy: Minimal operating/random errors

• High reputation from clinics

Sample/Reagents Handling

• Sample volume: 2-50pl, 0.1pi step

• Sample Dilution: automatic/Manual pre-dilution, with dilution ratio up to 1:100

• Reagent Position: 26 pcs (Refrigeration function is optional)

• Reagent Volume: 10-400pl, 1pl step

Optical System

• Light Source: halogen-tungsten lamp

• Wavelength: 340-690nm, 9 wavelengths, precision ±2nm

• Absorbance Range: 0∼4.0 Abs

• Resolution: 0.001 Abs

• Rear spectrophotometry

Calibration

• Calibration: linear/nonlinear multi-points calibration

• Re-test: retest the sample automatically when the result is out of the linearity range or the sample is not sufficient

Working Condition

• Power Supply: ∼100-240V, 50/60Hz, 300VA

• Temperature: 10-30°C

• Humidity: ≤90%, no dew

Input and Output

• Input: RS-232 interface/computer

• Output: multi-format printout