



Dia-CHEM 240 (Disposable cuvette)
Automatic Chemistry Analyzer

Dia-CHEM 240^{Plus} (with laundry)
Automatic Chemistry Analyzer

- ▶ Discrete, random access, fully automated up to 240 tests per hour
- ▶ 60 positions for samples and upto 60 positions for reagents
- ▶ Automatic probe cleaning, liquid level detection, collision protection
- ▶ Reversed optic system with 8 wavelengths
- ▶ Refrigerated reagent and sample compartment



Dia-CHEM 240 (Disposable cuvette)
Automatic Chemistry Analyzer

Dia-CHEM 240^{Plus} (with laundry)
Automatic Chemistry Analyzer



	Feature	Description
Analysis system	Working mode:	Discrete/random access
	Test speed:	Upto 240 T/H (without ISE)
	Test principle:	Absorbance photometry, Turbidimetry
	Methodology:	End-point, Fixed-time, Kinetic, Single/Dual reagent chemistries, monochromatic/bichromatic Linear/non-linear multi-point calibration
	The longest reaction time:	15 minutes
	Minimum reaction volume:	150µl
Reagent/sample Handling	Cuvettes material:	81 Cuvettes semi permanent rigid uv special plastic Cuvettes
	Reagent / Sample tray:	Upto 60 positions for reagents and 60 positions for samples in refrigerated compartment (4~16°C)
	Reagent / Sample probe :	Liquid level detection , collision protection and inventory checking
	Probe cleaning :	Automatic washing for both interior and exterior Carry-over < 0.1%
Sampling and mixing system	Sample capacity:	2-30µl, 0.1µl increasing
	Sample probe :	Sharing with the reagent probe the inner and outer walls are highly polished with the function of liquid level detection, tracking and collision protection, sample probe matching special cleaning liquid, prevent cross contamination
	Reagent capacity :	20-300µl, 0.1µl increasing
	Reagent probe :	Sharing with the sample probe
Reagent and sample blanks	Reagent bottle :	Reagent bottles with volume of 15ml, 20ml, 30ml, 50ml, 60ml, 70ml can be used, the dead volume is less than 1ml
	Mixing bar :	Independent mixing bar, special material, surface treatment using Teflon, not hanging liquid, thoroughly clean before and after mixing to prevent cross contamination
	Linear range of absorbance:	0-3.8Abs
	Halogen light source using time:	≥ 2000 hours
	Wavelength:	340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 670nm
	Refrigeration system:	water medium uniform refrigeration technology
Calibration and quality control	Reagent storehouse temperature:	4-16°C
	Reaction temperature:	37±0.2°C
	Temperature fluctuation:	±0.1°C
Reaction cuvettes cleaning system	Quality control type :	Real time quality control, daily quality control, day to day quality control. Quality control charts L-J, Cumulative, Twin Plot The quality control rules are arbitrarily formulated by default to Westguard multiple rules. The calibration type : linear and nonlinear. Logit-4P, Logit-5P, Spline, exponent, polynomial, factor method. Automatically check the calibration curve and select the best calibration type of the fitting degree automatically.
	Operating system :	Using unique high efficiency water cleaning method, low carry-over.
Operating System		Windows2000, windows XP, windows7, windows8, windows10 Make print format and content freely, provide several common formats. Special user management password, rational distribution of user operation permissions. RS-232 standard interface, support for intranet, remote print report.
	English operating system :	Optional various databases, autosave, automatic backup, save all kinds of data permanently. Real-time monitoring of sample tray, reagents tray, reacting tray.
		Real-time display of reaction temperature, reagent. allowance, reaction curve, calibration curve and quality control chart. Check and judge reaction endpoint, reaction linear interval, substrate exhaustion, reagent blank absorbance, etc.
Working Conditions	Temperature:	10°C~30°C
	Humidity:	≤85%
	Maximum Water Consumption:	< 12L
	Power Supply:	200~240V 50/60HZ 600W
	Dimension:	834mm(w)×643mm(D)×756(H)
	Net weight:	65KG
	Rough weight:	91KG



Regd. Office :
P-27, Kalindi Housing Scheme,
Kolkata - 700 089
Tele : 033-2522 3075 / 3448 / 4963.
Fax : 033-2522-2401,
E-mail : diatek@rediffmail.com
Webside : www.diatek.in

Works :
P-54, Kalyani Industrial Estate, Phase-I,
P.O./P.S. : Kalyani , Dist. : Nadia,
West Bengal, : 741235

For enquiries please
Call us Toll Free on

1800 120 5020

