

TECHNICAL SPECIFICATIONS



Instrument	Random, with discrete and emergency analysis option
Throughput	150 test/hour (mono) - 100 test/hour (bi) (DIONYSOS 150) 225 test/hour (mono) - 160 test/hour (bi) (DIONYSOS 240)
Analysis mode	Endpoint, differential, kinetics Mono and bi-reagent procedures
Calibration modes	Linear (one, two multi point), factor, non-linear (logit-log 4P, logit-log 5P, spline, exponential...)
Simultaneous analysis	Up to 40 assays mono-reagent or 20 assays bi-reagent
Maximum reaction time	15 minutes (mono) - 12 minutes (bi)
Sample disk	40 positions for samples, calibrators, controls
Sample volume	2 - 50 μ L
Reagent workload	40 positions (20 x 30 mL + 20 x 15 mL), all refrigerated
Reagent volume	R1: 150 - 450 μ L R2: 10 - 300 μ L
Mixer	Yes
Washing station	Yes
Reagent refrigeration	4 - 12 $^{\circ}$ C, independent power supply
Reaction disk	50 semi-permanent cuvettes (DIONYSOS 150) 81 semi-permanent cuvettes (DIONYSOS 240)
Wavelengths	340, 420, 450, 520, 546, 578, 620, 750 nm
Absorbance range	0 - 3.5 Abs
Dimensions / weight (width x depth x height)	720 x 450 x 550 mm - 60 Kg (DIONYSOS 150) 855 x 550 x 580 mm - 75 Kg (DIONYSOS 240)



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