



ExionLC[™] AD Multiplate Autosampler Specifications

An ideal replacement for the standard ExionLC AD Autosampler, the Multiplate Autosampler expands sample capacity over threefold without need for a separate Rack Changer. Three drawers can be configured to accept 6 regular or deep-well microtiterplates (MTP) in either 96 or 384-well formats. With the optional vial trays, the ExionLC AD Multiplate Autosampler can hold up to 324 x 1.5-2 mL vials.

O.1 to 50 μL (0.1 to 0.9 μL in 0.1 μL increments, 1 to 50 μL in 1 μL increments) With 96-well microtiter plate: 576 With 384-well microtiter plate: 2304 With 1.5-2 mL vials: 324 (requires 54 vial adapter plate) Injection volume precision RSD = 1.0% (0.5 to 0.9 μL), RSD = 0.5% (1.0 to 1.9 μL) RSD = 0.25% (2.0 to 4.9 μL), RSD = 0.2% (5.0 to 50 μL) Injection volume accuracy ±1% (at 50 μL injection, n = 10) Carryover 0.0015% max. (under specified conditions) Sample aspiration rate 0.1 to 15 μL/sec. (0.1 μL/sec. increments) Rinse aspiration rate 14 seconds (under specified conditions) Injection cycle time 14 seconds (under specified conditions) Before and/or after sample injection, needle external and/or internal rinsing, four rinse solutions maximum available Maximum pressure 1300 bar Direct cooling system (environment conditions: room temperature below 30°C with humidity less than 70% when cooler temperature is set to 4°C), dehumidification function included. Cooling range settings 4 to 40°C (under specified conditions) Temperature accuracy ±6°C (not possible to cool to 1°C or below) Liquid contact part materials 8 stainless steel (SUS316L, SUS316), ceramic, PTFE, ETFE, FEP, GFP, sapphire, PEEK, Polyimide ENVIRONMENTAL Working temperature 4°C to 35°C Relative humidity 20-85% Dimensions (w x h x d) 540 x 415 x 500 mm Weight 61 kg ELECTRICAL Power supply voltage AC100 V to 240 V Power consumption 550 VA Rated breaking capacity 75A	ITEM	SPECIFICATION
(0.1 to 0.9 μL in 0.1 μL increments, 1 to 50 μL in 1 μL increments) Samples for processing	Injection method	Variable injection volume flow through design (no sample loss during injection)
(0.1 to 0.9 µL in 0.1 µL increments, 1 to 50 µL in 1 µL increments) *With 96-well microtiter plate: 576 *With 384-well microtiter plate: 2304 *With 1.5-2 mL vials: 324 (requires 54 vial adapter plate) Injection volume precision *RSD = 1.0% (0.5 to 0.9 µL), RSD = 0.5% (1.0 to 1.9 µL) RSD ≈ 0.25% (2.0 to 4.9 µL), RSD ≤ 0.2% (5.0 to 50 µL) Injection volume accuracy ±1% (at 50 µL injection, n = 10) Carryover 0.0015% max. (under specified conditions) Sample aspiration rate 0.1 to 15 µL/sec. (0.1 µL/sec. increments) Rinse aspiration rate 14 seconds (under specified conditions) Before and/or after sample injection, needle external and/or internal rinsing, four rinse solutions maximum available Maximum pressure 1300 bar Direct cooling system (environment conditions: room temperature below 30°C with humidity less than 70% when cooler temperature is set to 4°C), dehumidification function included. Cooling range settings 4 to 40°C (under specified conditions) Temperature accuracy ±6°C (not possible to cool to 1°C or below) Liquid contact part materials ±6°C (not possible to cool to 1°C or below) ENVIRONMENTAL Working temperature 4°C to 35°C Relative humidity 20-85% Bolivensons (w x h x d) 540 x 415 x 500 mm Weight 61 kg ELECTRICAL Power supply voltage AC100 V to 240 V Power consumption 550 VA Rated breaking capacity 75A	Injection volume setting range	0.1 to 50 μL
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Temperature accuracy ± 6°C (not possible to cool to 1°C or below) Liquid contact part materials Stainless steel (SUS316L, SUS316), ceramic, PTFE, ETFE, FEP, GFP, sapphire, PEEK, Polyimide ENVIRONMENTAL Working temperature 4°C to 35°C Relative humidity 20-85% Dimensions (w x h x d) 540 x 415 x 500 mm Weight 61 kg ELECTRICAL Power supply voltage AC100 V to 240 V Power consumption 550 VA Rated breaking capacity 75A	Sample cooling system	with humidity less than 70% when cooler temperature is set to 4°C),
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Dimensions (w x h x d) 540 x 415 x 500 mm Weight 61 kg ELECTRICAL Power supply voltage AC100 V to 240 V Power consumption 550 VA Rated breaking capacity 75A	Working temperature	4°C to 35°C
Weight 61 kg ELECTRICAL Power supply voltage AC100 V to 240 V Power consumption 550 VA Rated breaking capacity 75A	Relative humidity	20-85%
ELECTRICAL Power supply voltage AC100 V to 240 V Power consumption 550 VA Rated breaking capacity 75A	Dimensions (w x h x d)	540 x 415 x 500 mm
Power supply voltage AC100 V to 240 V Power consumption 550 VA Rated breaking capacity 75A	Weight	61 kg
Power consumption 550 VA Rated breaking capacity 75A	ELECTRICAL	
Rated breaking capacity 75A	Power supply voltage	AC100 V to 240 V
* ' '	Power consumption	550 VA
Power supply frequency 50/60 Hz	Rated breaking capacity	75A
	Power supply frequency	50/60 Hz

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