

Specifications - Multidrop DW / Titan Stacker

For 96 deep well plates

Overall dimensions	29 in (W) x 18 in (D) x 24 in (H) 74 cm (W) x 46 cm (D) x 61 cm (H)	
Weight (total)	Instrument 70 lbs. (32 kg)	Dispensing cassette 0.3 lbs. (124 g)
Mains power supply	100 - 120 VAC, 50/60 Hz, nominal (operating range 90 - 130 VAC) 200 - 240 VAC, 50/60 Hz, nominal (operating range 180 - 256 VAC)	
Power consumption	345 VA (measured @ 230 V/ 50 Hz)	
Fuses	Multidrop: 2 x 300 mA for 200 - 240 V, UL 198G Time Delay, 5 x 20 mm 2 x 600 mA for 100 - 120 V, UL 198G Time Delay, 5 x 20 mm Titan Stacker: Slow-blow 3 amp for 115 V Slow-blow 1.5 amp for 230 V	
Operating conditions (Indoor use)	+10°C - +40°C (tested according to IEC 68-2-1, test Ab, cold, IEC 68-2-2, test Bb, dry heat and IEC 68-2-3, test Ca, RH 80 %, damp heat, steady state)	
Transportation conditions	-40°C - +70°C (tested according to IEC 68-2-1, test Ab, cold test and IEC 68-2-2, test Bb, dry heat), packed in transport packaging.	
Storage conditions	-25°C - +50°C, packed in transport packaging.	
Autoclaving conditions of the dispensing cassette	Pressure: 1 bar Temperature: 121° C Time: 20 min Autoclaving: 50 times	
Control panel	Multidrop Keys: Start, Prime/Drop, Empty, Step, Stop Selection switches: Plate (= 96/384), Volume µl, Col (= column) Titan Stacker: Keys: Start, Stop, Restack	
Interface	Serial RS-232C	
Dispensing volume	20 µl to 995 µl in 5 µl increments	
Multidrop DW Dispensing speed	5 seconds / 20 µl into 96 wells 8 seconds / 50 µl into 96 wells 26 seconds / 300 µl into 96 wells 74 seconds / 900 µl into 96 wells	
Dispensing accuracy	± 2% @ 20 µl (Typical) ± 1% @ 100 µl (Typical) ±1% @ 900 µl (Typical)	
Dispensing precision	CV ≤ 1.5% @ 20 µl (Typical) CV ≤ 1% @ 100 µl (Typical) CV ≤ 0.5% @ 900 µl (Typical)	
Dead Volume	< 7 ml	