

Specifications - Zoom HV Dispensers

For 96 well, 384 well or deep well plates

<i>Dimensions</i>	Digiflex: 15.50 in (H) x 6.75 in (W) x 12.25 in (D) - (D) includes 2 inches for cable clearance 39.4 cm (H) x 17.1 cm (W) x 31.12 cm (D)		
	Zoom HV 60: - With standard S30 magazines 24 in (H) x 18.5 in (W) x 22 in (D) - (D) includes 2 inches for cable clearance 59.7 cm (H) x 47 cm (W) x 55.9 cm (D)		
	Zoom HV 60: - With optional S60 magazines 40.0 in (H) x 18.5 in (W) x 22 in (D) - (D) includes 2 inches for cable clearance 101.6 cm (H) x 47 cm (W) x 55.9 cm (D)		
	Zoom HV 180: - With S30 magazines 24.35 in (H) x 23 in (W) x 22 in (D) - (D) includes 2 inches for cable clearance 61.85 cm (H) x 58.42 cm (W) x 55.9 cm (D)		
	Zoom HV 180: - With S60 magazines 40.35 in (H) x 23 in (W) x 22 in (D) - (D) includes 2 inches for cable clearance 102.5 cm (H) 58.42 cm (W) x 55.9 cm (D)		
<i>Weight (total)</i>	Digiflex: 26.0 lbs. - 11.8 kg	Zoom HV 60: 52 lbs. - (23.4 kg)	Zoom HV 180: 90.07 lbs. - (40.5 kg)
<i>Mains power supply</i>	100 – 120 VAC, 50/60 Hz, nominal (operating range 90 – 130 VAC) 200 – 240 VAC, 50/60 Hz, nominal (operating range 180 – 256 VAC)		
<i>Power consumption</i>	100 VA Typical		
<i>Fuses</i>	Digiflex: Slow-blow 1.5 amp for 115 V Slow-blow .75 amp for 230 V	Zoom HV 60: Slow-blow 3 amp for 115 V Slow-blow 1.5 amp for 230 V	Zoom HV 180: Slow-blow 3 amp for 115 V Slow-blow 1.5 amp for 230 V
<i>Operating conditions</i>	(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)		
<i>Transportation conditions</i>	-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		
<i>Storage conditions</i>	-25°C – +50°C, packed in transport packaging		
<i>Interface</i>	Serial RS-232C		
<i>Volume Range</i>	5µl – 395 µl for 96 well plates	5µl – 100 µl for 384 well plates	5µl – 2200 µl for deep well plates
<i>Resolution</i>	1 µl (Increments)		
<i>Dispensing accuracy</i>	+/- 1% @ 25 µl		
<i>Dispensing precision</i>	CV </= 5% @ 25 µl CV </= 2.5% @ 100 µl		
<i>Prime Volume</i>	Minimum prime volume is about 3.5 ml, ~ 95% recoverable and the user can prime to a container.		