

## Specifications – Jet One Dispenser

### For 96 well, 384 well or 1536 well plates

<b>Overall dimensions</b>	<b>Digiflex:</b> 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)		
	<b>Jet One Dispenser: - With standard S30 magazines</b> 23.5 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)		
	<b>Jet One Dispenser: - With optional S60 magazines</b> 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)		
<b>Weight (total)</b>	<b>Digiflex:</b> 26.0 lbs. - 11.8 kg	<b>Jet One Dispenser:</b> 52 lbs. - (23.4 kg)	
<b>Mains power supply</b>	100 – 120 VAC, 50/60 Hz, nominal (operating range 90 – 130 VAC) 200 – 240 VAC, 50/60 Hz, nominal (operating range 180 – 256 VAC)		
<b>Power consumption</b>	100 VA Typical		
<b>Fuses</b>	<b>Digiflex:</b> Slow-blow 1.5 amp for 115 V Slow-blow .75 amp for 230 V	<b>Jet One Dispenser:</b> Slow-blow 3 amp for 115 V Slow-blow 1.5 amp for 230 V	
<b>Operating conditions (Indoor use)</b>	+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)		
<b>Transportation conditions</b>	-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		
<b>Storage conditions</b>	-25°C – +50°C, packed in transport packaging		
<b>Interface</b>	Serial RS-232C		
<b>Volume Range</b>	<b>400 µl Syringes</b>	<b>1 ml Syringes</b>	<b>10 ml Syringes</b>
	0.5 µl – 400 µl	2 µl – 395 µl for 96 well plates 2 µl – 100 µl for 384 well plates	5 µl – 395 µl for 96 well plates 5 µl – 100 µl for 384 well plates 5 µl – 2200 µl for deep well plates
<b>Resolution (Increments)</b>	0.1 µl	1.0 µl	1.0 µl
<b>Dispensing accuracy</b>	+/- 3% @ 1 µl	+/- 3% @ 2 µl +/- 1% @ 5 µl	+/- 1% @ 25 µl
<b>Dispensing precision</b>	CV ≤ 5% @ 1 µl CV ≤ 10% @ 0.5 µl	CV ≤ 5% @ 2 µl CV ≤ 3% @ 5 µl	CV ≤ 5% @ 25 µl CV ≤ 2.5% @ 100 µl
<b>Prime Volume</b>	Minimum prime volume is about 3.5 ml, ~ 95% recoverable and the user can prime to a container.		