

## Dxi-80 - 8 Single Syringe Diluter

### Technical Specifications

<b>Dimensions</b>		
Height	28.0 cm	
Width	19.5 cm	
Depth	17.0 cm	
Weight	6.5 Kg	
<b>Power Requirements</b>		
	<b>Supply Voltage</b>	<b>Wattage</b>
<b>Input Voltage</b>	110- 240V AC	
<b>Peak</b>	24 VDC $\pm 10\%$	40W
<b>Resolution</b>		
	3,000/24,000 steps	
<b>Plunger Drive</b>		
	Stepper motor driven lead screw with optical feedback	
Travel	60 mm	
<b>Plunger Speeds</b>		
	0.8 Second-10min/stroke for standard resolution pump	
	1.5 Seconds-20 min/stroke for high resolution pump	
	(Speed ranges vary depending on the syringe size and tubing.)	
	(10 - 1000 $1 \text{ Sec}^{-1}$ in IDIS EE)	
<b>Syringes</b>		
<b>No. of Syringes</b>	8	
<b>Sizes</b>	50 $\mu$ l – 2.5ml	
<b>Material</b>	Barrel:	Borosilicate Glass
	Plunger:	Stainless Steel
	Seal:	Virgin Teflon
<b>Repeatability</b>		
	0.05% CV within run at full stroke	

<b>Inaccuracy</b>	
<1% at full stroke	
<b>Valve/Valve Drive</b>	
<b>Drive</b>	8 Simultaneously operated Solenoid
<b>Positions</b>	Input, Output
<b>Turn time</b>	100 ms
<b>Materials</b>	Teflon, KEL-F, PEEK
<b>Standard fitting</b>	¼ - 28" tubing fitting, luer fitting for syringe
<b>Interface</b>	
<b>Type</b>	RS-232 or RS-485
<b>Baud Rate</b>	9600 or 38,400
<b>Format</b>	Data Bits: 8
	Parity: None
	Stop bit: 1
<b>Fluid Contact</b>	
Glass, Kel-F, Teflon, PEEK	

