



## SUTTER INSTRUMENT FILTER WHEELS AND CONTROLLERS

Features	Lambda 10-3	Lambda 10-2	Lambda 10-B
Max. # of Wheels	3 <sup>2</sup>	2	1
Max. # of Shutters	2 <sup>3</sup> or	2	1 or 2 <sup>1</sup>
Shutter Type	<b>SmartShutter™</b> and/or <b>Uniblitz®</b>	<b>Uniblitz®</b>	<b>SmartShutter™</b> and/or <b>Uniblitz®</b>
Filter Diameter (mm)	25/32/50 <sup>2</sup>	25/32/50 <sup>3</sup>	25/32/50 <sup>2</sup>
Min. Switching Time <sup>4</sup> (ms)	40ms - 25mm wheel 50ms - 32mm wheel 31ms - high speed wheel	55ms - 25 or 32mm wheel 33ms - high speed wheel	40ms - 25mm wheel 50ms - 32mm wheel 31ms - high speed wheel
Power Supply	Chopper	Linear <sup>5</sup>	Chopper
Computer Interface	Serial, Parallel & USB	Serial & Parallel	Serial & USB
TTL In/Out	Yes	No	Yes
PRICE	\$5,420 <sup>6</sup>	\$5,400 <sup>6</sup>	\$4,500 <sup>6</sup>

1. The **Lambda 10-B** can be used to drive two shutters instead of one wheel and one shutter.
2. The controller automatically detects the installed hardware.
3. The controller has to be modified for the larger filter versions of the wheels.
4. Minimum switching time between adjacent filters depends on the filter load. The given values are for a load of 2 filters.
5. Recommended for applications requiring low electrical noise (i.e. electrophysiology).
6. For one controller w/ one non-shuttered standard 10 position 25mm filter wheel.  
US prices. International prices are 5% higher.

**SUTTER INSTRUMENT**

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