



## InradOptics V Pockels Cell Driver

The V series Pockels cell driver is designed for fast, high-voltage switching for small capacitive loads, such as Pockels cells. It is compatible with our line of KD\*P, LiNbO3 and BBO Pockels cells. The V driver plugs directly into a wall outlet and can be triggered either internally or through synchro. The high voltage can be selected continuously from 2.4 kV to 6 kV (lower voltage models available upon request). Pulse width is programmable from 1µs to 1/f (f is rep rate in Hz), where f is selectable from 50Hz nominal to DC. Maximum frequency is dependent on capacitance of load and HV value, and double maximum frequency available over a short period in burst mode. These models have pulse delay time about 100 ns, jitter about ± 1 ns. This model is easily interfaced with through RS232 on the back panel, and it can also be interfaced through the front panel by the user.

- Adjustable Output from -2.4kV to 6kV
- Risetime ≤ 20ns
- Rep Rate to 50kHz

<b>Trigger Input</b>		<b>Output</b>	
Level	5-10V	Level	-2.4kV to 6kV, adjustable
Pulsewidth	1µs to 100 ms	Risetime	≤ 20ns into 23pF, 100MΩ
Repetition Rate	Up to 50kHz (100kHz in burst mode)	Pulsewidth	<0.2µs at 94% into 23pF, 100MΩ load
<b>Power</b>	110/230 VAC, 50/60Hz, 1Amax	<b>HV Output Control</b>	Programmable through Front panel or RS232
<b>Temperature</b>	0° to 40°C	<b>Monitor</b>	To monitor HV Flying leads
<b>Connectors</b>		<b>Size</b>	225 x 200 x 60mm 9 x 8 x 2.4 inches
Synchro Input	BNC		
HV Monitor	Flying leads		
Ext. HV Adjust	RS 232		
HV Output	Flying Leads		