

Single Channel Plate Image Intensifier Power Supply

The FP810 is a compact +5V d.c. powered PSU designed for single channel plate image intensifiers. The FP810 is to be used in conjunction with a gate unit and has an anode current monitor. The FP810 has adjustable Anode, MCP Min and MCP Max voltages. The 0 – 5 V voltage control varies the gain of the MCP between MCP MIN (0V) and MCP Max (5V).

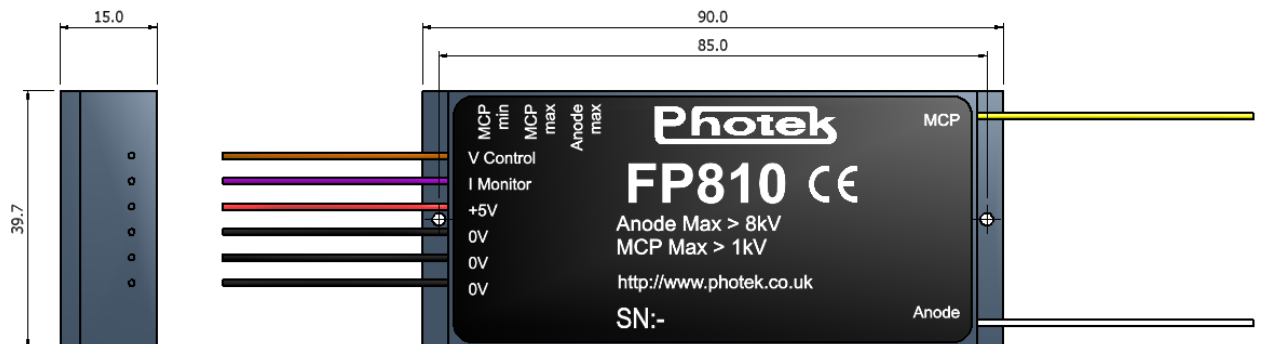


Operating Characteristics

	Min	Typ	Max	Units
Input Voltage	4.5	5.0	5.5	V
Input Current		30	350	mA
Control Voltage	0		5	V
MCP Voltage Max		800	> 1,000	V
MCP Voltage Min	0	500		V
Anode Voltage	1,000	6,000	8,000	V
Anode Current Monitor 1V/2 μ A	0		4	V
Anode Current Monitor Response Time		500		ms
Anode Monitor Noise			100	mV
MCP Rise Time (switch on)			300	ms
MCP Load	5			M Ω
Overshoot MCP			50	V
Overshoot Anode			200	V
Operational Temperature	-20		+55	$^{\circ}$ C

N.B. Maximum output voltage is 9,000V.

Mechanical



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PSU FP810