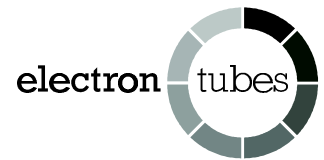


Electron Tubes Limited Data Sheet Bench Top Power Supply Type PM30D



- output voltage adjustable to 3kV
- dual polarity
- universal input (mains or dc)
- low output ripple
- overload protection
- low voltage auxiliary dc supplies
- easy to read 4 digit display
- stackable

Description

The PM30D bench top power supply provides a stable, well regulated output controllable from 100V to 3000V. It has been designed primarily for the photomultiplier and electron multiplier with the particular needs of the laboratory or research specialist in mind. The polarity is determined by selecting either the positive or negative output SHV socket mounted on the rear of the unit. The dual socket output guards against accidental polarity reversal. The unit offers additional safety features such as protection against overload, flashover and short circuit. Every unit is supplied with a set of mating connectors.

Electrical

Input : Voltage	85-264Vac
Frequency	47-440Hz
Output Voltage :	120-370 Vdc(+or-)
Output Current :	100-3000V
Polarity :	1.3mA max
Load Regulation :	Selectable via back panel
HF Ripple :	50ppm
LF Noise :	1.5mVp-p typ
Temperature Coefficient :	5mVp-p typ
	<50ppm/°C

Stability

Short Term :	<15 ppm/15mins
Long Term :	< 50ppm/8hrs

Temperature

Operating Range :	0 to+40°C
Storage :	-5 to +70°C

Input

IEC 3-pin lead of 2m, unterminated.

Auxiliary Output

+5V	≤1A
-5V	≤0.25A
+12V	≤0.25A
-12V	≤0.25A

Voltage & Current Monitor

Voltage Monitor : Front Panel Display
Current Monitor : Back Panel 1V=1mA

Voltage Control

Front panel continuous control via a five turn potentiometer with lockable dial.

Resolution

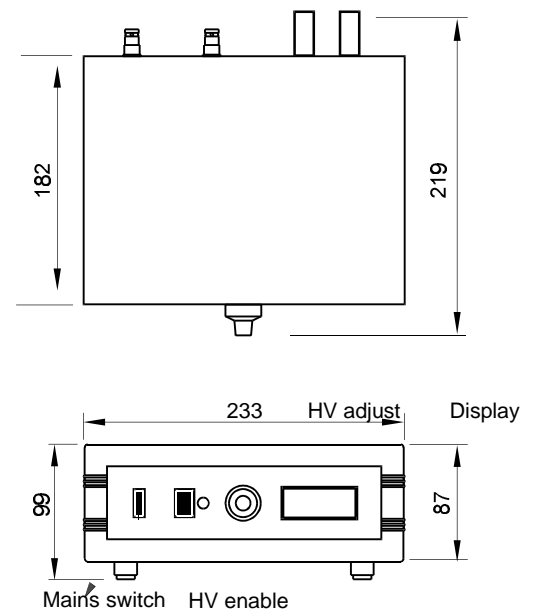
Resetability ±1V

Weight

1.8kg



External Dimensions (mm)



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