

# bench top power supply PM30D data sheet

## 1 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 photomultipliers 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.

## 2 features

- 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

## 3 electrical

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

## 4 stability

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

## 5 temperature

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

## 6 input

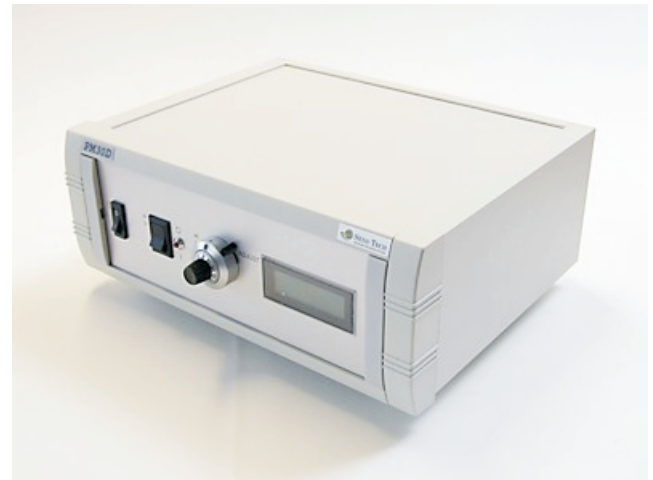
IEC 3-pin lead of 2m, unterminated.

## 7 auxiliary output

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

## 8 voltage and current monitor

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



## 9 voltage control

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

## 10 resolution

Resetability 1V

## 11 weight

1.8kg

## 12 external dimensions (mm)

