

# bench top power supply PM20D data sheet

## 1 description

The PM20D bench top power supply provides a stable well regulated output controllable from 20 V to 2000 V. It has been designed primarily for photomultipliers 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.



## 2 features

- output voltage adjustable to 2 kV
- dual polarity
- universal input (mains or dc)
- low output ripple
- overload protection
- low voltage auxiliary dc supplies
- easy to read 3½ digit display
- stackable

## 3 electrical

Input :	85-264 Vac
	47-440 Hz
	120-370 Vdc(+or-)
Output Voltage :	20-2000 V
Output Current :	1 mA max
Output polarity :	Selectable via back panel
Load Regulation :	15 ppm
HF Ripple :	1m Vp-p typ
LF Noise :	5m Vp-p typ
Temperature Coefficient :	<50 ppm/°C

\*must be specified at time of ordering

## 4 stability

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

## 5 temperature

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

## 6 input

IEC 3-pin lead of 2 m, unterminated.

## 7 auxiliary output

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

## 8 voltage and current monitor

Voltage Monitor : Front Panel Display  
Current Monitor : Back Panel 4 mm terminals 1 V = 1 mA

## 9 voltage control

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

## 10 weight

1.3 Kg

## 11 resolution

Resetability ±1 V

## 12 external dimensions (mm)

