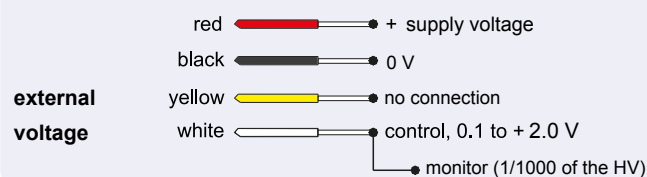
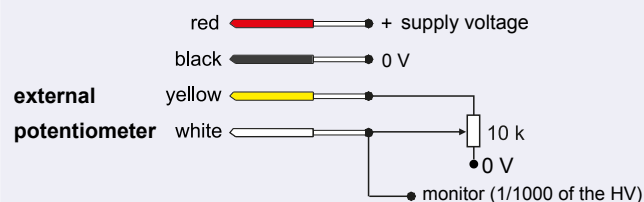
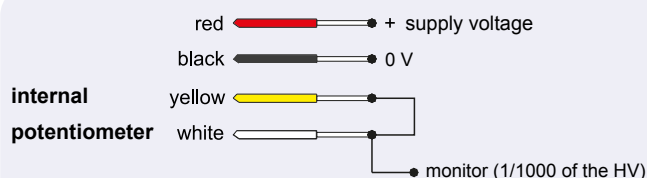


ET Enterprises
electron tubes

k	d ₁	d ₂	d ₁₀	d ₁₁	a
2/13V	1/13V		1/13V	1/13V	

8 programming options

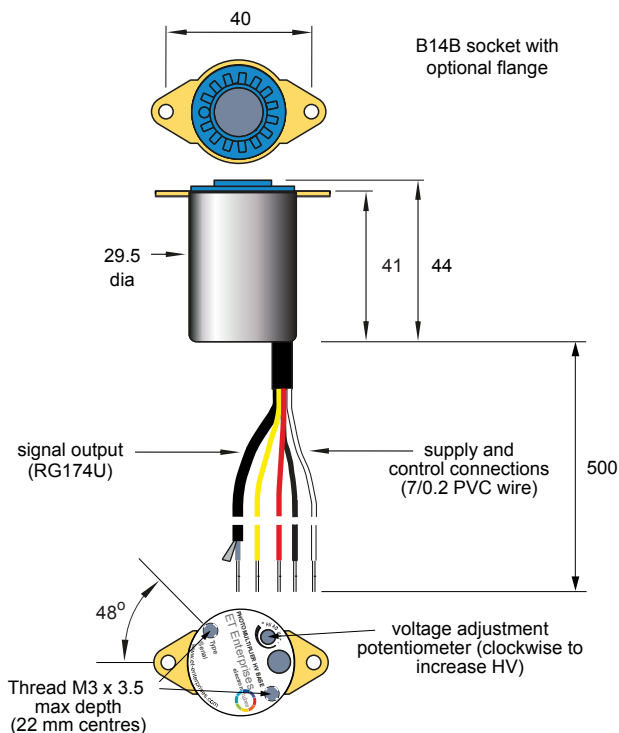


9 dimensions and photomultiplier options

The HV3020AN HV Base can be used with the following photomultipliers:

9107B, 9108B, 9124B, 9125B, 9128B, 9129B, 9130/100B, 9130/350B, 9131/100B, 9136B, 9406B, 9407B, 9408B, 9798B, 9828B, 9878B, 9888B 9900B and 9924B

all dimensions in mm



10 linearity

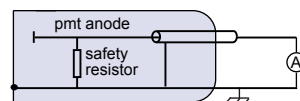
Linearity performance is dependent on the particular photomultiplier being used with the HV Base. It is measured as the % deviation in either peak pulse current, or average current, depending on the mode of operation.

Please refer to the corresponding photomultiplier data sheet for further information.

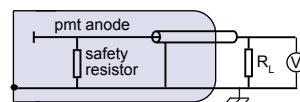
11 output configurations

The pmt anode in the HV3020AN HV Base is internally grounded via a 10 M Ω safety resistor. Depending on the mode of operation, the output circuitry should be configured externally as shown in the example configurations below. For dc and scintillation applications R_L is typically 100 k Ω , but for fast pulse applications R_L would normally be 50 Ω . In the latter case an internal 50 Ω matching resistor can be fitted (to special order).

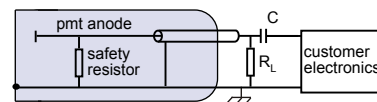
a) dc current output



b) dc voltage output



c) ac coupled output



C = external coupling capacitor
 R_L = external load resistor

12 ordering information

item	ordering code
without flange	HV3020AN
with flange	HV3020ANF

13 warning

High voltages generated by these products present an electrical shock hazard and appropriate precautions must be taken. Installation must be by qualified personnel. All units are despatched with the internal potentiometer set to zero.

Do not operate outside the quoted ratings of the HV3020AN or those of the photomultiplier. This may result in loss of performance, permanent damage, or both.