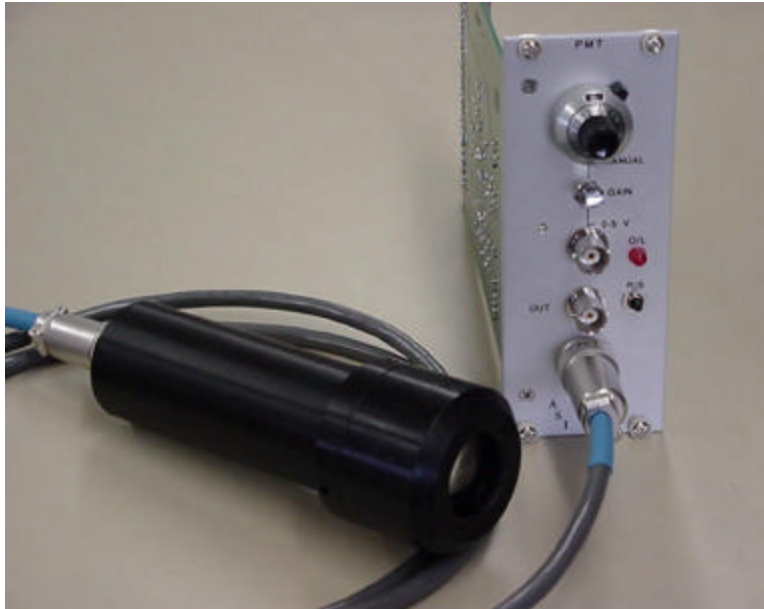


## PMT-100 Photomultiplier



- **High Sensitivity**
- **Manual or Externally-Programmable PMT Gain**
- **Automatic Overexposure Shutdown**
- **Wide Dynamic Range**
- **Easy to Use**

Various mounting configurations available including female C-mount threads and a flat flange mount with two 3mm bolt holes 32mm apart.

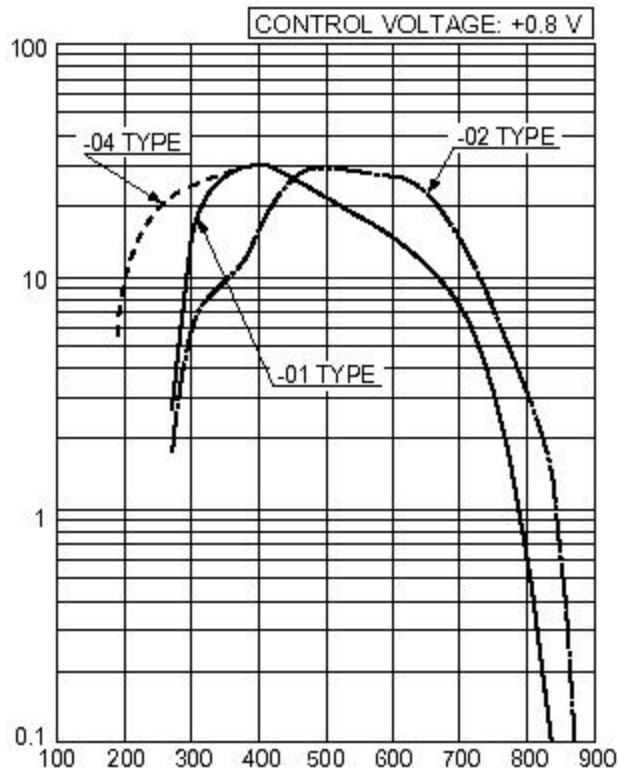
### Specifications

Sensor (Standard)	Hamamatsu H5784-03
Bandwidth	DC to 20kHz
Spectral Response	185 to 650 nm
Sensitivity (at 420nm)	21 V/nW typical
Output	0 to 10 Vdc

### ***We Create Solutions***

Applied Scientific Instrumentation, Inc. 29391 W Enid Rd Eugene, OR USA 97402-9533  
 (541) 461-8181 (800) 706-2284 info@ASImaging.com www.ASImaging.com

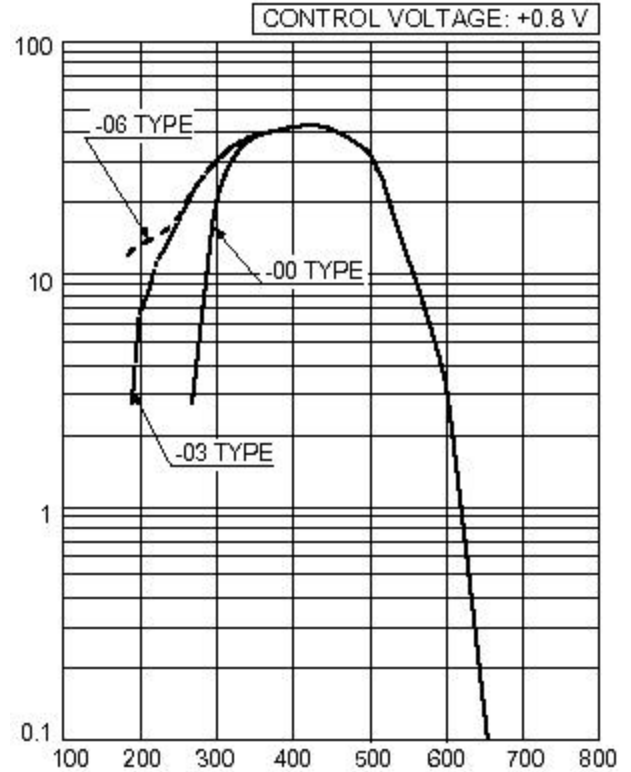
## Typical Spectral Response



CONTROL VOLTAGE: +0.8 V

WAVELENGTH (nm)

ANODE RADIANT SENSITIVITY  
( $\mu\text{A/nW}$  for H5773/H5783/H6779/H6780 SERIES)  
( $\text{V/nW}$  for H5784 SERIES)



CONTROL VOLTAGE: +0.8 V

WAVELENGTH (nm)

ANODE RADIANT SENSITIVITY  
( $\mu\text{A/nW}$  for H5773/H5783/H6779/H6780 SERIES)  
( $\text{V/nW}$  for H5784 SERIES)

## H5784 SERIES CHARACTERISTICS (at 25 °C)

Parameter	-00, -03, -06	-01, -04	-02	Unit
Radiant Sensitivity (at 420 nm)*	$4.3 \times 10^{-10}$	$3.0 \times 10^{-10}$	$2.9 \times 10^{-10}$	V/W
Output Offset*	±3			mV
Current Voltage Conversion Factor	$1 \times 10^6$			V/A
Frequency Bandwidth	DC to 20			kHz
Recommended Control Voltage Range	+0.25 to +0.9			V

\* Control voltage +0.8 V

In the output signal, there is a shot noise associated with the signal.

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