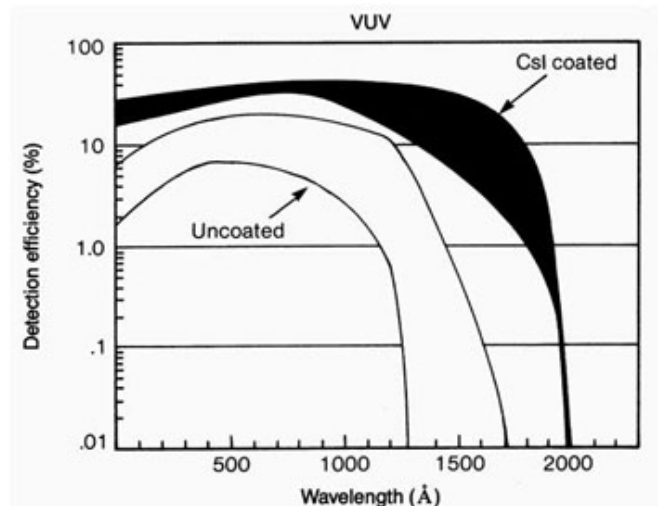


The Model 425 Channel Electron Multiplier is a windowless, solar blind detector for operation in the 1 to 180 nanometer region. It is encased in a vacuum tight housing for vacuum operation. The Model 425 is ideal for measurements in the Extreme and Vacuum UV (EUV and VUV) where the solar blind feature eliminates potential interference from long wavelength ultraviolet and visible light. It may be operated in pulse-counting mode or DC. The CEM is also available with coatings like Cesium Iodide or Magnesium Fluoride to enhance response in different energy regions.



The Model 425 vacuum housing fits directly to the exit slit of your McPherson monochromator or alternately, without housing can be installed directly inside some McPherson vacuum sample chambers. Vacuum feed through for 3,000 VDC and for signal output are provided.



The Model 7642 is a suitable 5-kV high voltage power supply for proper operation of this detector.

The CEM will be permanently damaged if operated at vacuum pressures exceeding 1×10^{-5} torr. Interlocking the vacuum gage system to the detectors HV supply is strongly recommended

