

Indent name – Wide spectral range photo multiplier tube

Quantity: 1 number

Detailed Specifications:

Sensor type	Photo Multiplier Tube (PMT)
Quantum efficiency	Greater than 10% for 200nm to 800nm wavelength
Spectral response range	160 to 930 nm wavelength
Photocathode material	GaAs(Cs) or equivalent to meet quantum efficiency specification
Photocathode effective area	Greater than 80 mm ²
Dynode material	Cu-BeO or equivalent
Number of dynode stages	8 to 12
Operating temperature	-25 °C to +45 °C or wider range
Max Operating high voltage	Greater than or equal to 1800V (anode to cathode)
Gain	Greater than 3×10^5 at 1500V (anode to cathode) ; Greater than 1×10^6 at 1800V (anode to cathode)
Dark count rate	Less than 30 counts per second at -20 degree Celsius
Photo Multiplier Tube diameter	Less than 58 mm
Suitable PMT socket	1 number shall be provided along with the PMT