

PHOTOMULTIPLIER TUBE PMT-188 OF HIGH IMMUNITY TO MAGNETIC FIELDS

PMT-188 has bialkali photocathode and one-cascade multiplication system. The device is intended for application in photodetectors operating under exposure of strong magnetic (up to 4T) and radioactive fields (up to 2kGy).



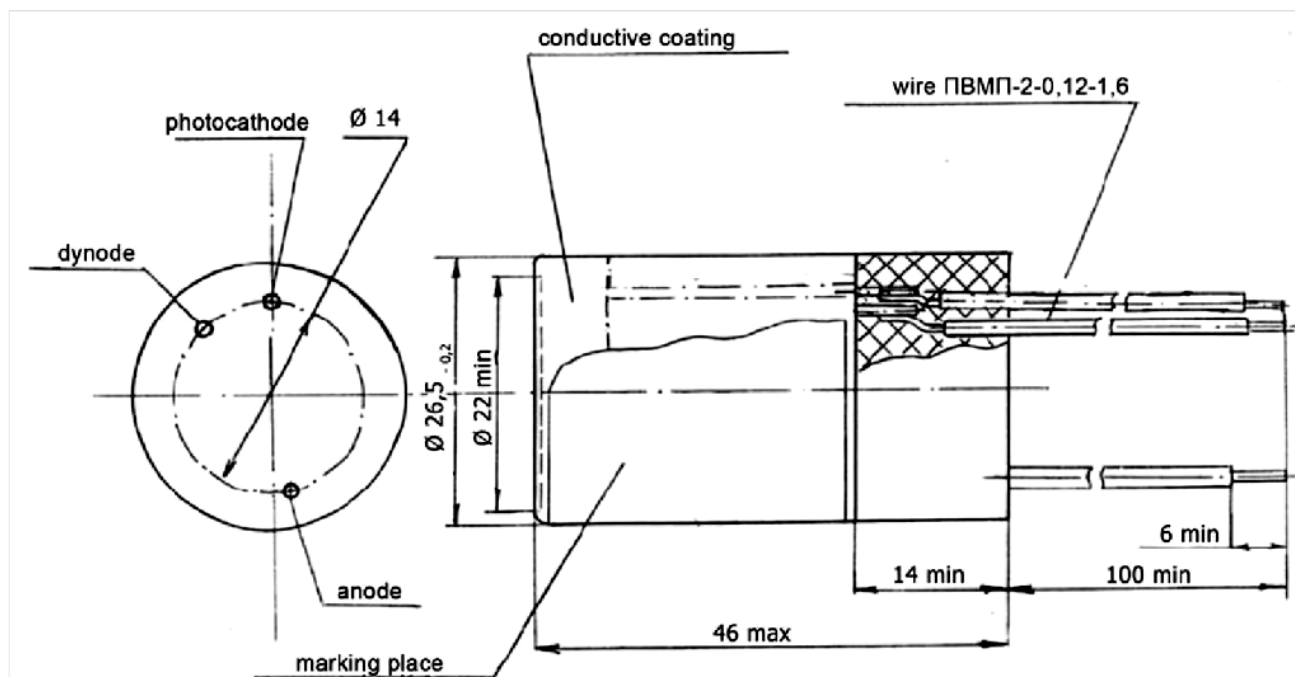
Construction design: The photomultiplier tube is produced in a glass balloon with head-on input and flexible leads. The input window is made of boron-silicate UV glass.

SPECIFICATIONS

Photocathode	SbKCsO
Photocathode diameter, mm	22
Device diameter, mm	26.5
Length, mm	46
Supply voltage, V	1000
Spectral response, nm	250÷650
Photocathode luminous sensitivity, $\mu\text{A/lm}$	60
Photocathode quantum efficiency ($\lambda=420$), %	≥ 18
Dark current, nA	≤ 2
Gain under normal conditions	≥ 8
Gain under magnetic field with $H=4\text{T}$	≥ 6
Temperature range	$-5^\circ\text{C} \div +50^\circ\text{C}$

OUTPUT CONNECTION

DIMENSIONAL OUTLINE



SPECTRAL RESPONSE CHARACTERISTIC

