

DH_30_TE Cooled Multi-Alkali Photomultiplier (200-900nm)



The DH_30_TE photomultiplier is an economical solution for low light-level applications throughout the UV-vis and into the NIR.

Housing a side-window multi-alkali (S20 photocathode) photomultiplier tube, a mu-metal shield and a PCB based dynode chain, reliable operation can be ensured. Peltier elements, powered by the CPS1/CPS1M ensure temperature control.

The 215 high voltage supply module maintains the photocathode at a negative high voltage. The photocurrent generated by this detector is best measured using the 487 picoammeter or the 477 pre-amplifier followed by the 496 lock-in amplifier.

The quick-change mounting flange supplied with the DH_30_TE is compatible with the entire range of Bentham monochromators and accessories.

Core benefits

- Economical choice for UV-vis-NIR low light level applications
- High sensitivity
- Spectral coverage 200-900nm
- Stable operating temperature and reduced dark current

Features

- Housed photomultiplier tube featuring mu-metal shield and PCB dynode chain
- Peltier-based cooling
- Hermetically-sealed housing with quartz window
- Operated in either the DC or AC regimes
- Compatible with Bentham's entire range of monochromators and accessories
- Recommended for use with 400 series detection electronics