

TEHVPMT-CR131 / TEHVPMT-R928

TEHVPMT Cooled Photomultiplier Assemblies

A thermoelectrically cooled photomultiplier assembly combines high voltage, a shielded detector housing and a selectable side-window tube for weak optical signals.

Best suited to: Scanning fluorescence, transmission, reflection and source-emission measurements.



Configuration

Select the tube and output electronics for the wavelength and signal level. Tube model names identify internal components; the product listed here is the integrated cooled assembly.

Specifications

Published parameters	
Models	TEHVPMT-CR131(-MS) / TEHVPMT-R928(-MS)
Response	185–900 nm
Cooling	–10 °C at 20–25 °C ambient
Cathode size	8 × 24 mm
Pulse rise time	2.2 ns
Electron transit time	22 ns
Typical anode dark current	3 nA
Dark counts, 1 s at –10 °C	150 / 250, tube dependent

Measurement features

- Integrated PMT and high-voltage arrangement.
- Electromagnetic shielding.
- Two published tube configurations.

Full configuration: www.precisometer.com/spectroscopy/spectral-imaging/tehpmt