ORTEC

ORTEC 265A

PMT base for 12-stage, 21-pin photomultipliers, for fast timing

Mechanical assembly and resistive voltage divider with capacitive decoupling for 12-stage photomultiplier tubes. It is particularly suited to fast timing and single-photon counting and provides a dc-coupled anode signal for timing and a linear signal from the ninth dynode for energy measurements.



PMT compatibility

12-stage, standard 21-pin sockets, including Hamamatsu R329, R1332, R1333 and Burle 8575, 8850, C31000M [1]

Weight

.63 kg net [1]

Specifications

PMT compatibility	12-stage, standard 21-pin sockets, including Hamamatsu R329, R1332, R1333 and Burle 8575, 8850, C31000M	[1]
Detector bias	Negative high voltage to the cathode: −3 kV maximum, 2 mA maximum for the bleeder (SHV)	[1]
Signal outputs	Anode: negative timing signal, 50 Ω, dc-coupled, back-terminated (BNC); ninth dynode: positive linear signal, capacitively coupled, high impedance ~1 MΩ (BNC)	[1]
Use	Fast timing and single-photon counting; timing and energy measurements with fast plastic and liquid scintillators and NaI(Tl)	[1]
Weight	0.63 kg net	[1]
Dimensions	Ø7.62 × 20.32 cm	[1]

Sources

[1] **265A Photomultiplier Tube (PMT) Base**
RTEC (AMETEK) · product-page · More Information; More Information; Specifications – Inputs; Specifications – Outputs · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/phot...

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.