ORTEC

ORTEC 269

PMT base for 14- and 12-stage, 20-pin photomultipliers

Socket and resistive voltage divider for 14- and 12-stage photomultipliers that produce high-current pulses. The anode signal is intended for timing and single-photon counting and the linear signal from the tenth dynode for energy measurements; internal trimmers adjust the focus and deflection electrodes and the last dynode.



PMT compatibility

14- or 12-stage, 20-pin socket (JEDEC B20-102), including Hamamatsu R1250; Philips XP2020, XP2020Q, XP2040, XP2040Q, XP2041, XP2041Q, XP2212B, XP2230B, XP2233B, XP2262B; EMI 9813K [1]

Weight

.63 kg net [1]

Specifications

PMT compatibility	14- or 12-stage, 20-pin socket (JEDEC B20-102), including Hamamatsu R1250; Philips XP2020, XP2020Q, XP2040, XP2040Q, XP2041, XP2041Q, XP2212B, XP2230B, XP2233B, XP2262B; EMI 9813K	[1]
Detector bias	Negative high voltage, 3 kV maximum (SHV); bleeder current 2 mA maximum	[1]
Signal outputs	Anode: negative timing signal, 50 Ω, dc-coupled, back-terminated, very good pulse quality to 0.5 A with Philips tubes (BNC); eighth or tenth dynode (pin 13): positive linear signal, capacitive-coupled, ~1 MΩ (BNC)	[1]
Use	High-pulse-current fast timing, single-photon counting and energy measurements	[1]
Weight	0.63 kg net	[1]
Dimensions	Ø7.62 × 20.32 cm	[1]

Sources

[1] **269 Photomultiplier Base**
RTEC (AMETEK) · product-page · More Information; Specifications – Connectors; Specifications – Base; Connectors; Specifications – Signal; Connectors · 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.