

These charts are intended as selection guides only. For complete and precise specifications, consult the data sheet for each model.

Photomultiplier Tube Base Comparison Chart

| Model | High Voltage (V _{max}) | Bleeder Current (mA) | PM Output Signals | | Control | Compatible with PMT Type | Dimensions |
|-------|----------------------------------|----------------------------------|---|---|---|---|---|
| | | | Anode | Dynode | | | |
| 265A | -3000 | ≤2 | Neg. timing signal, 0.5 A; max, 50 Ω dc-coupled | Pos linear signal Z _o ~ 1MΩ; capacitive coupling | Voltage adj for focus and 2nd and 12th dynodes | 12-stage PMTs that fit standard 21-pin sockets, including Hamamatsu R329 R1332, and R1333. Burle (formerly (RCA) 8575, 8850 8852, and C31000M. | 7.6-cm (3-in.) diam, 20.3-cm (8-in.) length |
| 266 | +2500 | ≤1.67 | Negative signals Z _o ~ 1.1 MΩ; capacitive coupling | Pos signals Z _o ~ 1.2 MΩ; capacitive coupling | External control for focus voltage | All 10-stage PMTs that fit standard 14-pin socket including: Hamamatsu PM55, R208, R550, R594, R877, R878, R1507, R1512, R1513, R1612, R1791, R1836, R1847-07, R1848-07, and 7696. Burle (formerly RCA) 4900, 5819, 6342A, 6655A, S83006E, S83013F, S83019F, S83020F, S83021E, S83022F, S83025F. Phillips XP2202B, XP2203B, XP2412B. ADIT B51B01, L51B01, V51B01, B51D01, B51C01, B76B01, V76B01, B76C01 B89B01, B89C01, B89D01, B133D01, B133C01, V133B01. | 5.6-cm (2.2-in.) diam, 10.2-cm (4-in.) length |
| 269 | -3000 | ≤2 | Negative timing signal, 0.5 A; max, 50 Ω dc-coupled | Pos linear signal Z _o ~ 1 MΩ; capacitive coupling | Voltage adjust for focus and deflection and 14th dynode | 14-stage PMTs that fit standard 20-pin sockets, including: Hamamatsu R1823-01, R2059. Phillips XP2020, XP2020Q, XP2040, XP2040Q, XP2041, XP2041Q, XP2212B, XP2230B, XP2233B, XP2262B. EMI 9813K. | 7.6-cm (3-in.) diam, 20.3-cm (8-in.) length |
| 276 | +2000 | ≤1.67 | Negative signals Z _o ~ 1 kΩ; capacitive coupling | Preamplifier internally connected to dynode 10; dc-coupled output | External control for focus voltage | Same as Model 266 | 5.6-cm (2.2-in.) diam, 10.2-cm (4-in.) length |
| 296 | +1100 | Active dynode voltage regulation | Negative signals Z _o ~ 1 kΩ; capacitive coupling | Preamplifier internally connected to dynode 10; ac-coupling | Internal HV supply adjustable from +600 V to +1100 V. Focus voltage is 1/2 of dynode 1 voltage. | Same as Model 266 | 5.6-cm (2.2-in.) diam, 17-cm (6.7-in.) length |

Specifications subject to change
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