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Find the *Hamamatsu R306* at our website: ***Click HERE***

PHOTOMULTIPLIER TUBES



Among the photosensitive devices in use today, the photomultiplier tube (or PMT) is a versatile device that provides extremely high sensitivity and ultra-fast response. A typical photomultiplier tube consists of a photoemissive cathode (photocathode) followed by focusing electrodes, an electron multiplier and an electron collector (anode) in a vacuum tube.
When light enters the photocathode, the photocathode emits photoelectrons into the vacuum. These photoelectrons are then directed by the focusing electrode voltages towards the electron multiplier where electrons are multiplied by the process of secondary emission. The multiplied electrons are collected by the anode as an output signal. Because of secondary-emission multiplication, photomultiplier tubes provide extremely high sensitivity and exceptionally low noise among the photosensitive devices currently used to detect radiant energy in the ultraviolet, visible, and near infrared regions. The photomultiplier tube also features fast time response, low noise and a choice of large photosensitive areas.

	CONSTRUCTION
	SELECTION GUIDE BY APPLICATION
	ACCESSORIES for PHOTOMULTIPLIER TUBES
	PHOTON COUNTERS and RELATED PRODUCTS

If you have comments or are requesting any information, please contact eigyou@etd.hpk.co.jp(PMT)

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