Product Lineup

Various types of Photo Sensor Modules are available to meet your needs.

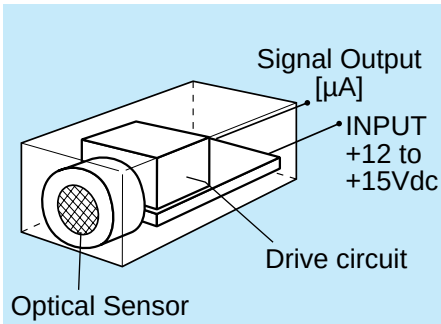
STANDARD TYPE

Ideally suited for light detection requiring higher sensitivity and larger sensitive area than offered by semiconductor optical sensors, without sacrificing response time.
When an even higher speed is required, choose the type with no amplifier included, in order to use it with a faster amplifier.

PHOTON COUNTING TYPE

Optimized for measurement at extremely low light levels (such as fluorescence and luminescence studies). Since light can be measured digitally by photon counting, it is simple to distinguish the signal from noise, allowing you to reach even lower limits of light detection.
Incorporates all signal processing circuits needed for photon counting. There's no troublesome adjustment required to obtain accurate data.
The H7467 also incorporates an interface for direct data input to a PC.

STANDARD TYPE

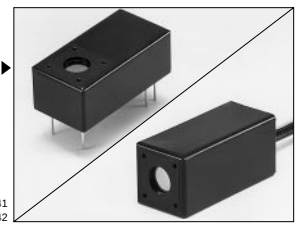


Built-in Drive Circuit H6779/H6780 Series

A voltage-divider circuit and a high-voltage power supply are built into a compact package to operate the metal package PMT easily and efficiently. Light can be measured by simply supplying a low voltage of +12 to +15V.

Drive Circuit

Left: H6779 ▶
Right: H6780



PMHF0441
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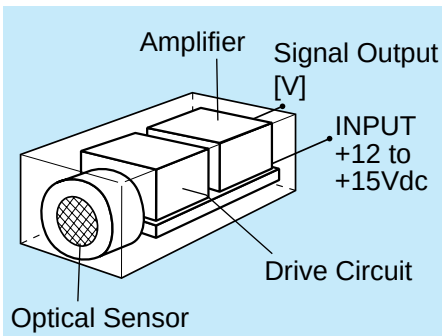
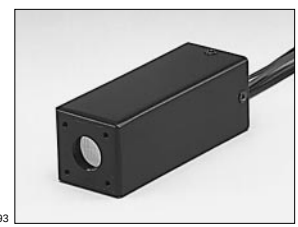


Built-in Drive Circuit and Amplifier H5784 Series

A drive circuit and an amplifier are built into the same package to convert the current output of the metal package PMT into a voltage output.

Drive Circuit | Amplifier



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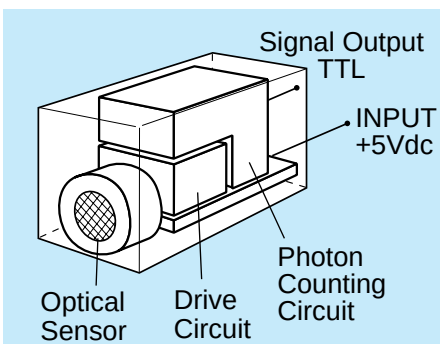
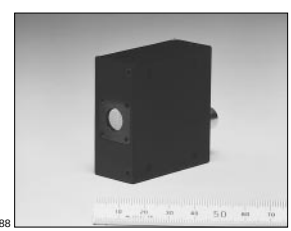
PHOTON COUNTING TYPE



Photon Counting Head H7155 Series

A drive circuit, high-speed amplifier and discriminator are incorporated into a compact photon counting head. All that is necessary for low-light-level measurement is to connect to a +5V power supply and a pulse counter.

Drive Circuit | Amplifier
Discriminator | Pulse Shaper



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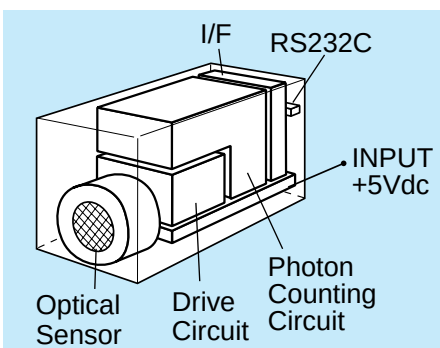
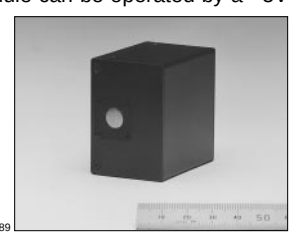


Built-in Microcomputer + Interface H7467 Series

A microcomputer and an RS232C interface are incorporated into the photon counting head to allow control and data transfer from a PC. This module can be operated by a +5V supply.

Drive Circuit | Amplifier
Discriminator | Pulse Shaper
Microcomputer | RS-232C



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