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# Photomultiplier (CPM) (Photomultiplier Accessories (High Voltage negative, High Voltage positive, Guard Ring))

## Accessories:

ProxiVision offers a variety of components to suit your individual need for operating the Customized Photomultipliers or Modules



# Descriptions



## Description CHV 30N

The CHV 30N is a self-contained high voltage supply, specially designed for the Customized Photomultiplier CPM 900 series. It provides the matching voltages (negative) for the cathode, the channel entrance and channel end. Besides, the module is prepared to switch the potential between the two high voltages via an external TTL-pulse, in order to protect the CPM from over exposure or to apply a gating function

## Description CHV 30P

The CHV 30P is a self-contained high voltage supply, specially designed for the Customized Photomultiplier CPM C900 and C1900 in photon counting and pulse mode applications. It provides the matching voltages (positive) for the cathode, the channel entrance and channel end. Besides, the module is prepared to switch the potential between Cathode and Channel Entrance via an external TTL-pulse, in order to protect the CPM from over exposure or to apply an ultra-fast gating function.

## Description Fiber Connector SMA, FC

Fiber connectors and a suitable mechanical adapter for mounting to the 9 mm CPM modules.

## Description Guard Ring

For operating the CPM at negative high voltage. To be mounted directly to the Photocathode end of the CPM, to be connected via 1 MOhm resistor to negative photocathode potential (negative high voltage).

The guard ring enables avoiding discharging processes (corona effects) at the cathode which may occur as significantly increased dark pulses/dark current.



## Options

Besides the standard configuration we do also take into account application-specific requirements. Thus we invite our customers to provide such information. Confidentiality is of course guaranteed.

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