



## ENERGY COMPENSATED/LOW BUILDUP PHOTON DIODE DETECTORS



### SPECIFICATIONS

**Output:**  $1.2 \times 10^{-9}$  coulombs/rad (20 pA/R/min) nominal.

**Material:** n-type.

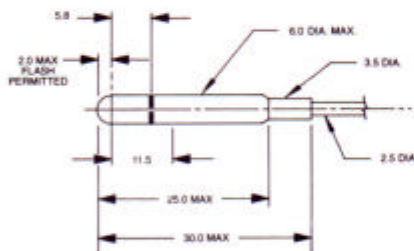
**30-496-8000FW** Energy Compensated Photon Diode Detector with 3.0-meter cable, negative output. For use with PDM Patient Dose Monitor, or PC-RAINBOW electrometers .....

**30-496FW** Energy Compensated Photon Diode Detector with 10-meter cable, positive output. For use with Dual Diode Dosimetry electrometers (or other suitable electrometers) .....

**30-492FW** Optional Diode Detector Holder .....

**88-490FW** Additional Extension Cable, 10-meter, BNC .....

### PHOTON DETECTORS/LOW BUILD-UP



**NOTES:** 1. All dimensions are in mm.  
2. All detectors will fit in a .235" dia. hole in a phantom.

These diode detectors are similar to the ISORAD photon detectors, but they have been designed so that their low energy response is extremely uniform (energy independent) down to 70 KeV.

These diodes exhibit a very similar response to that of an ionization chamber with an equivalent wall thickness of 0.6 cm. Appropriate buildup should be used for specific applications.

Due to the special response characteristics of these diodes, they are ideally suited for both exit dose and intracavitary measurements.