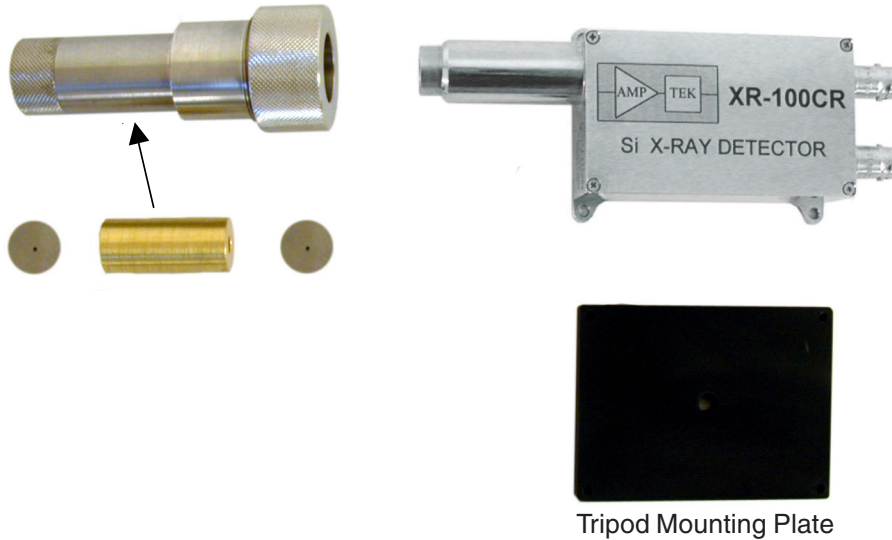


Collimator Kit

EXVC

For use with XR-100CR or XR-100T-CdTe (standard box with 1.5 inch extender)
and the EXV9 (detector box with 9 inch extender)



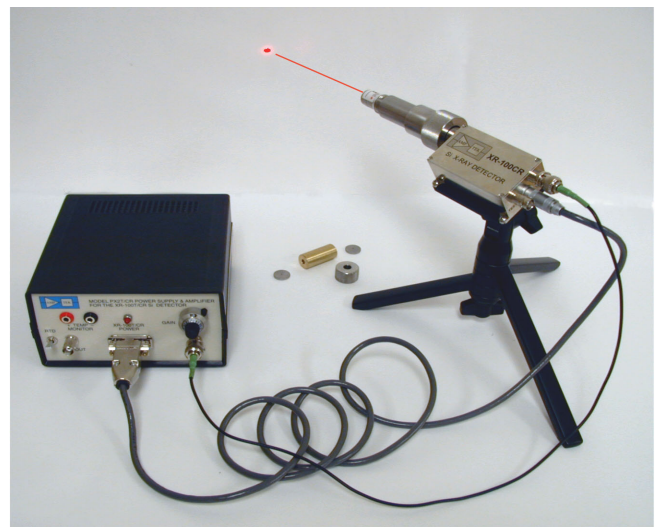
In order to accommodate applications where the X-ray flux is too high for both the detector and the electronics that process the X-ray spectrum, Amptek has developed a “Collimator Kit” to collimate the primary X-ray beam.

The Collimator Housing can accommodate up to two Tungsten collimator disks that are placed inside a bayonet holder in front of the detector. By selecting the appropriate Tungsten collimator disks, the user can reduce the incoming X-ray flux and allow the detector and electronics to process the X-ray spectrum. Seven different Tungsten collimator disks are provided with different size holes in order to allow for a wide range of applications.

The EXVC Collimator Housing is made of stainless steel and can also be used inside a vacuum chamber.

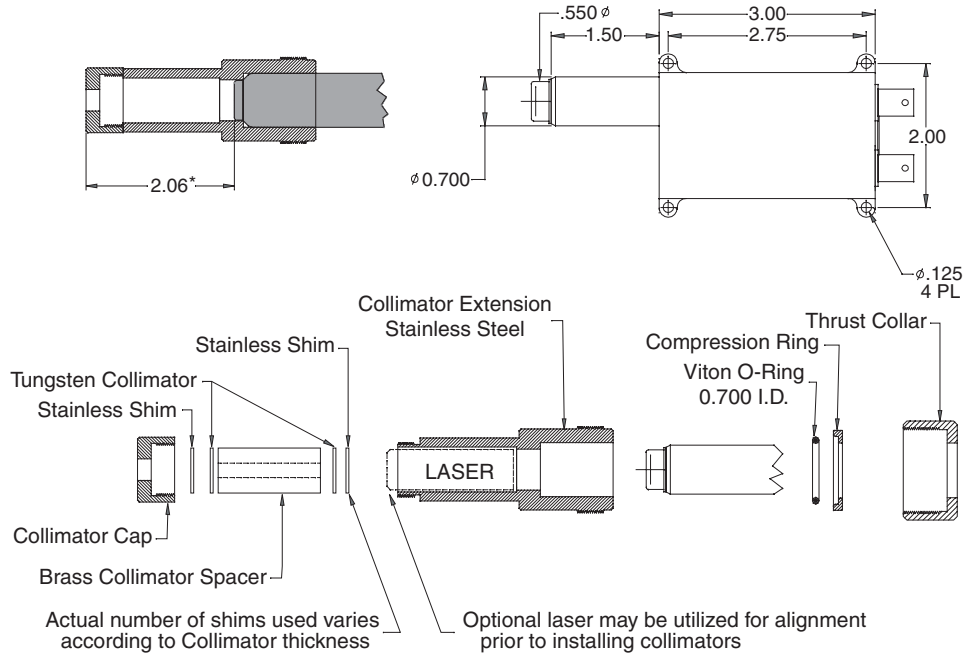
The EXVC Collimator Kit Includes:

- Stainless steel Collimator Housing
- Tripod and Mounting Plate (included when ordering for use with standard 1.5 inch extender box)
- Laser Pointer
- 7 Tungsten (W) Collimator Discs:
 - 1 mm thick with 25 μm hole
 - 1 mm thick with 50 μm hole
 - 2 mm thick with 100 μm hole
 - 2 mm thick with 200 μm hole
 - 2 mm thick with 400 μm hole
 - 2 mm thick with 1000 μm hole
 - 2 mm thick with 2000 μm hole



EXVC Collimator Kit for use with XR-100CR or XR-100T-CdTe (1.5 inch extender)

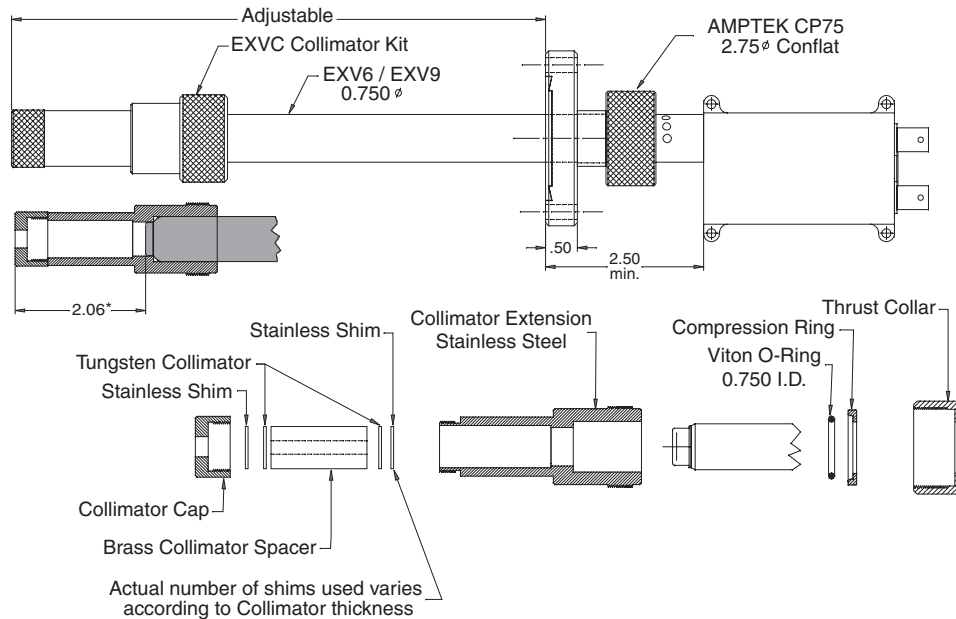
Mechanical Dimensions



*Dimension shown is to Be Window at assembly
 Actual dimension to Detector element varies with type (CR, CdTe...)
 Refer to Detector data sheet

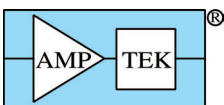
EXVC Collimator Kit for use with XR-100CR and XR-100T-CdTe with EXV9

Mechanical Dimensions



*Dimension shown is to Be Window at assembly
 Actual dimension to Detector element varies with type (CR, CdTe...)
 Refer to Detector data sheet

Ordering note: When ordering, please specify the size of your detector box (standard box with 1.5 inch extender or EXV9 box with 9 inch extender). The O-ring component of the collimator kits are different depending on the size of the detector box.



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