

# Monitor Ionization Chambers



*Large size plane parallel transmission chambers for use as dose monitors combined with calibration facilities*

## Features

- ▶ Vented sensitive volumes of 94 cm<sup>3</sup> and 86 cm<sup>3</sup>
- ▶ Include twin-measuring volumes
- ▶ Shadow-free transmission chambers for dose monitoring with calibration facilities

The circular plane parallel transmission chambers are used for dose monitoring in combination with calibration benches. The sensitive volumes are designed as twin-chambers with 2.5 mm measuring depth each and a diameter of 155 mm (model 786) or 148 mm (model 34014). The chamber walls and the electrodes are made of polyimide (PI) of 0.025 mm thickness each with graphite layer. The nominal photon energy range is 7.5 kV up to 420 kV, and the leakage current is less than 1 pA. The chambers are fully guarded. The external diameter of the chamber housing is 230 mm. Two holes with 6 mm threads serve for mechanical chamber fixation.

Two chamber versions are available: model 786 is used together with dosimeters having the input circuits on ground potential, and model 34014 is used together with dosimeters having the input circuits on high voltage.

## Ordering Information

- TN34014 Monitor chamber, BNT connector
- TW34014 Monitor chamber, TNC connector
- TM786 Monitor chamber, M connector
- TB786 Monitor chamber, BNC connector and banana pin

## Option

Monitor chambers with smaller diameter of sensitive volume upon request

- ▶ UNIDOS Dosimeters *pages 13 and 138*