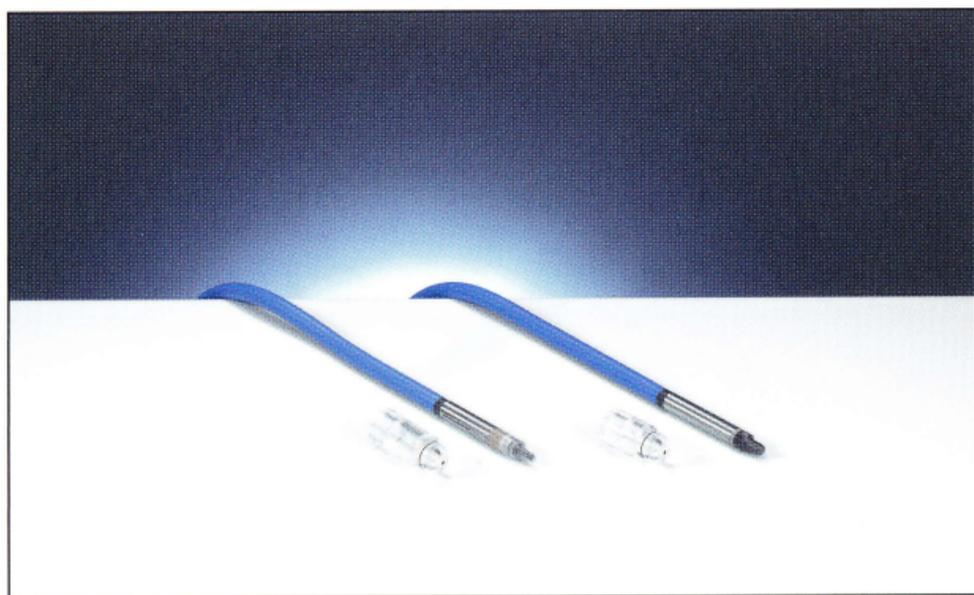


# PinPoint<sup>®</sup> Ionization Chambers



*Waterproof ion chambers for dose measurements in radiotherapy with high spatial resolution*

## Features

- ▶ Vented sensitive volumes of 0.015 cm<sup>3</sup>, 0.016 cm<sup>3</sup> and 0.03 cm<sup>3</sup>
- ▶ Suitable for dose scanning in radiotherapy beams with a superior spatial resolution
- ▶ Suitable for use in water

The waterproof PinPoint chambers have been specially designed for relative beam profile measurements in a motorized water phantom for characterization of LINAC radiation fields where superior spatial resolution is desired. The PinPoint chambers are ideally suited for this purpose with their inner diameters of only 2 mm (model 31014) and 2.9 mm (model 31015/31016). The chamber model 31016 shows a flat angular response, since the measuring volume is approximately spherical. When calibrated against a PTW Farmer chamber, the PinPoint chambers can be used for depth dose and absolute dose measurements. The sensitive volume is vented. The wall material is graphite with a protective acrylic cover. The chambers are fully guarded up to the measuring volume. The nominal energy range is <sup>60</sup>Co up to 50 MV photons. The chambers have a short stem for mounting and a flexible connection cable. They can be supplied with different connector types.

## Ordering Information

*PinPoint chambers, connecting system BNT, TNC or M:*

31014 PinPoint chamber, 0.015 cm<sup>3</sup>

31015 PinPoint chamber, 0.03 cm<sup>3</sup>

31016 PinPoint 3D chamber, 0.016 cm<sup>3</sup>

- ▶ TANDEM Dual Channel Dosemeter *page 14*
- ▶ Detector Extension Cables *page 28*
- ▶ TBA Detector Holding Devices *page 46*