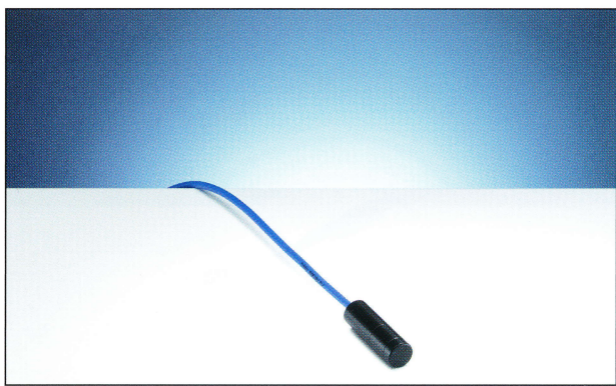


# microLion Ionization Chamber



*Liquid filled ion chamber for dose distribution measurements in radiotherapy with high spatial resolution*

## Features

- ▶ Liquid filled sensitive volume of  $0.002 \text{ cm}^3$
- ▶ Suitable for dose scanning in radiotherapy beams with a superior spatial resolution
- ▶ Suitable for use in water
- ▶ Connector types: BNT, TNC or M

The waterproof micro liquid ion chamber<sup>1</sup> (microLion) has been specially designed for relative beam profile and depth dose curve measurements in a motorized water phantom. It is used for characterization of LINAC radiation fields where superior spatial resolution is desired, like stereotactic fields. Due to the liquid filling, the microLion chamber delivers a high signal in relation to its very small sensitive volume.

The recommended chamber voltage of 800 V is delivered by an additional HV-Supply. The HV-Supply can be connected to the UNIDOS<sup>webline</sup> or the latest versions of the TANDEM dosimeter.

<sup>1</sup> The microLion chamber was designed in collaboration with Göran Wickman and Thord Holmstroem, University of Umeå, Sweden and is based on a well-tested and patented LIC concept.

## Ordering Information

TN31018 microLion chamber  $0.002 \text{ cm}^3$ ,  
connecting system BNT

TW31018 microLion chamber  $0.002 \text{ cm}^3$ ,  
connecting system TNC

TM31018 microLion chamber  $0.002 \text{ cm}^3$ ,  
connecting system M

- ▶ UNIDOS<sup>webline</sup> page 13
- ▶ HV-SUPPLY page 15
- ▶ TBA Detector Holding Devices page 46