

PEAKFINDER Water Column



Water column system for highest precision peak detection in proton and heavy ion therapy

Features

- ▶ Measures position of Bragg peak within (20 ... 350) mm with a spatial resolution of 10 μm
- ▶ Built-in monitor and measuring chambers
- ▶ Gate input for spill-by-spill measurements

The PEAKFINDER water column is especially designed for highest precision peak detection of proton and heavy ion beams in particle therapy. It is a closed water column for scans up to 35 cm depth with increments of 10 μm . Because of its sealed construction it can be used in any spatial orientation. Windows allow a visible inspection of the column inside. The signals of the built-in thin window Bragg peak chamber T34080 and the monitor chamber T34082 are read out by the TANDEM^{XDR} electrometer. A TCP/IP interface is implemented for software control. The included PeakScan software package allows precise measurements and a detailed Bragg peak analysis.

Ordering Information

L981257 PEAKFINDER water column, including electronics, dosimeter, measurement and reference chamber, PeakScan software