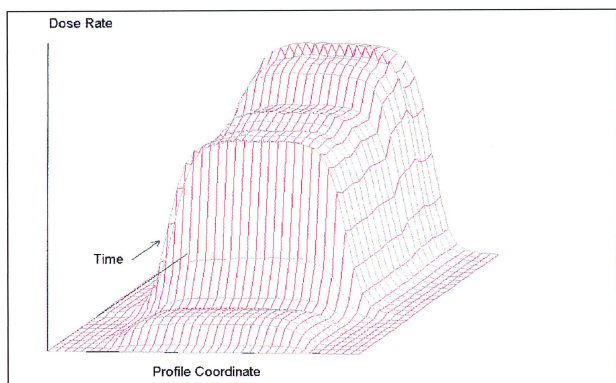


ME48F Fast Measurement System



High speed measurement option for up to 100 profiles per second, using an existing LA48 linear array

Features

- ▶ Analyses the start-up behavior of linear accelerators
- ▶ Measures up to 100 complete profiles per second
- ▶ Uses the LA48 chamber array and MEPHYSTO mc^2 software

Due to the growing importance of conformal radiation therapy, the start-up behavior of linear accelerators is becoming more and more important. The ME48F fast measurement system makes it possible to measure a complete profile within 10 ms. This is achieved by the innovative ME48F preamplifier with its very low time constant to follow very fast input signals correctly. The measuring time for all 47 ion chamber signals of the LA48 is 2 ms, followed by a 8 ms processing time interval. The ME48F fast preamplifier is located in the treatment room near the LA48 array and connected to a suitable data acquisition board (DAB) in the computer, which is located in the control room. The special software module ME48F-Soft measures up to 100 profiles per second and stores them in a MEPHYSTO mc^2 export file. MEPHYSTO mc^2 can import up to 250 profiles at the same time for further evaluation.

For owners of the MULTIDOS/ME48 dosimeter, a more economical fast measurement option is available that makes it possible to measure up to 10 profiles per second.

Ordering Information

L981080 Fast measurement option with ME48F

L981081 Fast measurement option for MULTIDOS/ME48

S070013 ME48F-Soft software

- ▶ LA48 Linear Chamber Array *page 47*
- ▶ MULTIDOS Multi Channel Dosimeter *page 32*
- ▶ MEPHYSTO mc^2 *page 49*