

Thermo EPD[®] Personal Dosemeter



Electronic personal dosimeter for $H_p(10)$ and $H_p(0.07)$ readouts of gamma, beta and X-radiation

Features

- ▶ Highly sophisticated multi-functional personal radiation monitor based upon modern detector technology
- ▶ Measures the new radiation quantities $H_p(10)$ and $H_p(0.07)$ according to ICRP

The EPD Mk2 electronic personal dosimeter is a modern digital monitor for personal radiation protection measurements. The nominal useful energy range for gamma radiation is 15 keV to 10 MeV, and the mean energy of beta particles may vary from 250 keV to 1.5 MeV. The dosimeter provides direct readout of dose equivalents $H_p(10)$ - deep/whole body - and $H_p(0.07)$ - shallow/skin - according to ICRP definitions, displayed in Sievert (Sv) or rem. The resolution is 1 μ Sv or 0.1 mrem. Alarm thresholds for the dose and dose rate measuring modes can be set. A variety of different audible and visual alarms are configurable via IR interface. Several digital readers are available to complement the Thermo EPD dosimeters. Certain functions are only programmable by external readers (e.g. presets of alarm thresholds, timer functions, personal ID numbers). All readers are supplied with the software EasyEPD2. The EPD Mk2 can be delivered with an official German authority calibration.

Ordering Information

- L991017 Thermo EPD Mk2 Electronic personal dosimeter
- L991362 Thermo EPD Mk2 Electronic personal dosimeter with official German authority calibration
- L991218 Thermo EPD Basic IrDa Reader, RS232
- L991295 Thermo EPD Basic IrDa Reader, USB
- L991019 Thermo EPD Desktop Reader, RS232
- L991294 Thermo EPD Desktop Reader, USB
- S150004 EPDSYSTEM Software