

# Film Badges for Personal Dosimetry



## *Dose measuring film badges for personal dosimetry of the exposition to gamma radiation and X-rays*

### Features

- ▶ Suitable for personal gamma and X-ray dosimetry
- ▶ Accommodate a dose integrating radiographic film
- ▶ Analyze the beam quality by filter absorption

Persons working in environments with the risk of exposure to ionizing radiation are required to use a suitable personal dosimeter. Radiographic film dosimetry is commonly used for this purpose in many countries. An essential part of this system involves appropriate holders to accommodate radiographic films. The PTW film badges are supplied with sets of absorbing filters of different materials and thickness. Both models available are identical in general, but model 95004 includes a Pb/W filter combination to avoid an overestimation of 83 keV radiation (100 kV X-rays). Examinations of the exposed films after development by optical density measurements give an indication of exposure, and the filter pattern gives an indication of radiation type and energy. The image of pins on the badges show the direction of radiation incidence. Self-adhesive stickers for user identification fit into the recess of the badge front part. The film badges with clip can be combined with an optional neck-chain.

### Ordering Information

- L981041 Film badge 8621, with clip, orange housing
- L981042 Film badge 8621, with needle, orange housing
- L981043 Film badge 8621, with clip, yellow housing
- L981044 Film badge 8621, with needle, yellow housing
- L981045 Film badge 8621, with clip, blue housing
- L981046 Film badge 8621, with needle, blue housing
- T95004.1.010 Film badge 95004, with clip, orange housing
- T95004.1.015 Film badge 95004, with needle, orange housing
- T95004.1.020 Film badge 95004, with clip, yellow housing
- T95004.1.025 Film badge 95004, with needle, yellow housing
- T95004.1.030 Film badge 95004, with clip, blue housing
- T95004.1.035 Film badge 95004, with needle, blue housing

### Options

- L655009 Neck-chain for film badges with clip
- L502007 Self-adhesive stickers, 200 stickers per unit