



TLD dosimeter



Nuclear
Power



Homeland
Security
& Defense



Industrial and
Manufacturing



Healthcare



Labs and
Education

OVERVIEW

The Mirion TLD dosimeter is a compact whole body dosimeter designed to measure deep dose and skin dose over the entire energy range.

APPLICATIONS:

- Any occupational worker with potential exposure to gamma, X-ray, beta and/or neutron radiation.
- Workers in nuclear power plants, research laboratories, hospitals, universities and industrial applications

KEY FEATURES

- Measurement of $H_p(10)$ and $H_p(0.07)$ over the wide energy range (X-ray, photon, beta)
- Smart badge design allows the exchange of filter materials, filter thickness and TL- materials.
- Suitable for pellets, chips and rods
- Barcode or hole code identification
- Available in 6 different colors
- Automatic processing with MIRION RE2000 TLD reader

Health Physics

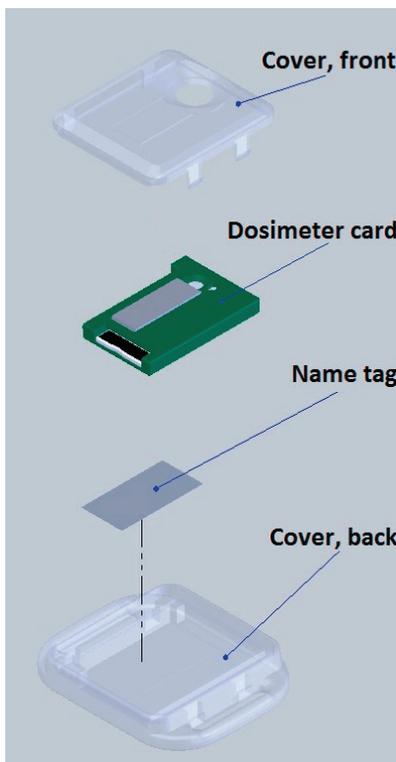
DOSIMETER CONSTRUCTION

The standard TLD dosimeter card consists of a coded slide placed in a slide holder, and carried inside the dosimeter cover.

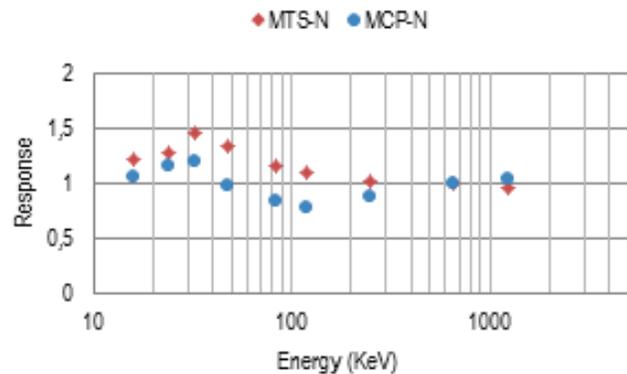
The slide has four positions for the detectors (pellets, chips or rods). The detectors are not attached to the slide positions and any required number of positions up to four can be used. This makes it possible to handle the elements separately (e.g. extremity or clinical dosimetry).

The filter positions (front and back of the holder) may be equipped with up to 1 mm thick Al filters, or it is possible for the customer to insert filters of their own choice. The fourth detector position is for measuring shallow (skin) dose produced by betas and low energy photons.

The name tag (on the back side of the cover) and a barcoded number of the slide are visible through the dosimeter cover



MIRION TLD DOSIMETER HP(10) ENERGY RESPONSE WITH STANDARD FILTERS



ACCESSORIES

Opening tool for the dosimeter cover (picture)



Manual loading tool (picture)



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