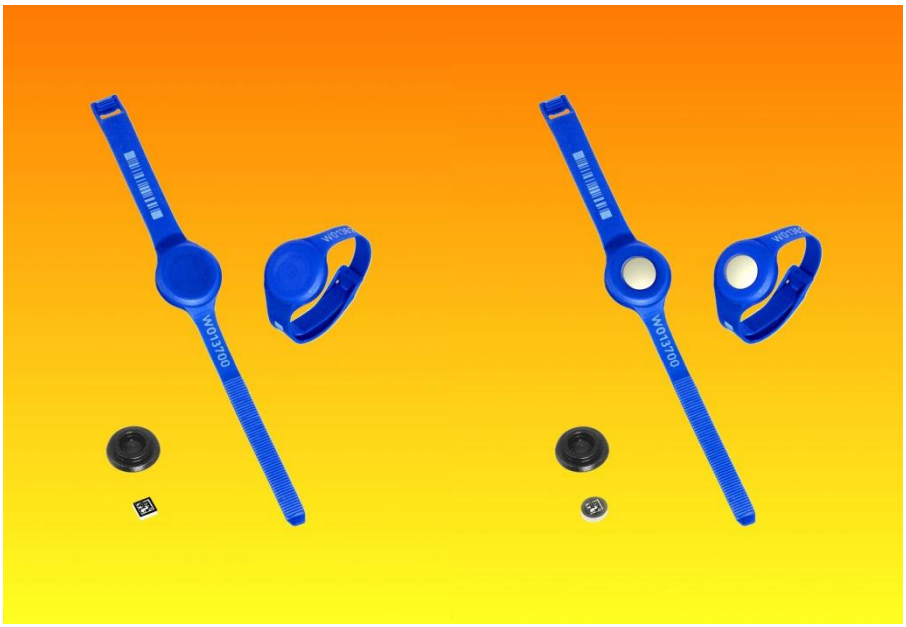
Finger Ring Hp(0.07)

Photon & Beta-Photon



Reusable Extremity Dosimeter for beta and photon radiation

This flexible plastic finger ring with self-securing-lock system is comfortable to wear and usable under surgical gloves. It is officially approved by the PTB for measurement of skin dose and cold sterilisable. It is used with standard TLD disks or chips and marked with bar code and number.

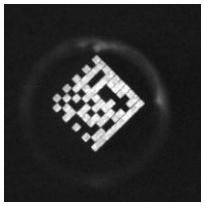
Two types are available. Type G for photon radiation requires LiF:Mg,Ti TLD elements and Type BG for photon and beta radiation requires thin layer LiF:Mg,Cu,P TLD elements.

This inexpensive dosimeter is compatible with all TLD readers suitable to read single TLD elements of 3.2 mm x 3.2 mm or Ø 4.5 mm and 0.9 mm thickness.

Technical Specifications

Radiation	Type G: photon
	Type BG: beta-photon
Dose	Hp(0.07) in Sv
Dose range	0.1 mSv to 10 Sv
Lower limit of detection	0.1 mSv
Upper limit of detection	50 Sv
Beta energy	> 50 kev (Type BG)
Photon energy	10 to 1400 keV (Type G)
	7.6 to 1400 keV (Type BG)
Required TL Detector	Ø 4.5mm x 0.9 mm or
	3.2 mm x 3.2 mm x 0.9 mm
	LiF:Mg,Ti (Type G)
	thin layer LiF:Mg,Cu,P (Type BG)
Incident angle	± 60°
Ambient temperature	10°C to 40°C
Relative humidity	10% to 90%
Sun light	0 W/m2 to 1000 W/m2
Mechanical shock	0 m/s2 to 4900 m/s2
Storage under water	24h

Accessories



Omnidirectional Data Matrix Code on the backside of the TLD

Tool for assembling and disassembling

Vacuum Tweezers incl. Vacuum Pump (115-230V, 50-60Hz)

Rados RE-2000 TLD Reader, universal and precise

All information in this brochure is subject to technical changes without notice.

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...Radiation Protection for the Radiation Professionals...

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