

Environmental TLD 110 Dosimeter

Precision Reliability to Withstand the Toughest Environmental Stresses



Features:

- Thermoluminescent dosimeter element
- Outdoor usage
- Polypropylene holder and tamper-resistant pouch
- Variety of holder options available

Environmental dosimeters are well suited to monitor low-level gamma radiation and withstand the most intense environmental situations. This dosimeter is designed for outdoor application and may be used to measure radiation for site characterization, at site boundaries for regulatory compliance, and to monitor public exposure. Sensitive TL phosphors can measure to less than a milliRoentgen (after background subtraction). Issued reports provide easy comparison to ion chamber results.

The GDS Environmental TLD Dosimeter, encased in a holder that protects against moisture, can be attached to fences, gates, trees, or other objects in the environment for quick access.



Applications

- Measurement and reporting of exposure that is directly caused by specific facility operations.

Proven Expertise

With the rapidly changing pace of your business today, the need for radiation safety is greater than ever. GDS understands the importance radiation monitoring plays in your business and the importance of maintaining the health of your employees. Rely on the over thirty years of experience of GDS to provide the right monitoring products and reliable data collection specially tailored for your work environment.

Results You Can Trust

GDS products are currently being utilized wherever there is a potential for occupational radiation exposure – from private practitioner medical offices, dentists, veterinarians, hospitals and universities to large nuclear facilities. We can help you determine the right products for your business and provide accurate exposure reports to ensure the safety of your employees.

At GDS, customer satisfaction is our number one priority. Each day we strive to regularly exceed customer satisfaction and ensure that commitments are met on time, every time.

GDS offers:

- Accurate monitoring reports and permanent compliance documentation
- Access to highly qualified health physicists and radiation dosimetry experts
- Convenient badge data storage in underground archival retention vaults for easy and safe retrieval for our customers

Technical Specifications:

Badge Name	Environmental TLD 110 Dosimeter
Badge Type	17 = Environmental 110
Description	2 CaF 200 and 2 LiF 100 LiF 4-chip Harshaw TLD
Manufacturer	Thermo RMP
Approvals/Licenses	ANSI N545 - 1975
Holder Type	Area with wall hanger Area with clip
Wear Location	Fence lines, trees, buildings
Lower Level of Detection	5mR/month (0.05 mGy/month) 10 mR/qtr (0.10 mGy/qtr)
Useful Dose Range	5 mR – 500 R
Energy Response	TLD100: 40 keV - 6 MeV TLD200: 180 keV - 6 MeV

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