



The NEW Landauer CT Dosimeter

ADVANCED QUALITY CONTROL *in the palm of your hand*



LANDAUER®

Landauer is revolutionizing the industry with the introduction of our new Computed Tomography (CT) Dosimeter utilizing aluminum oxide, optically stimulated luminescence (OSL) technology. This dosimeter features a design that efficiently measures radiation dose and dose profile from CT scanners. The device is easily inserted into the FDA phantom for CT dose assessment. After exposure, the CT Dosimeter is returned to Landauer for analysis which includes both CT dose and the measured dose profile. The dose profile is read in 0.1 mm increments allowing profiling of 1.0 mm thick slices. The dose profile also provides information regarding collimation, overlapping slices, etc. indicating potential reasons for increased, unnecessary patient dose. No need to read individual dosimeters or process and scan photographic film to view dose profiles.

Landmark Landauer Development

The Landauer CT OSL dosimetry process is an extreme departure from the currently time-consuming quality control experience, and the accuracy of the analysis is guaranteed by over 50 years of Landauer expertise. The new CT OSL Dosimeter is another example of how Landauer combines our tradition of service, technical innovation, leadership and integrity to help you work more easily, efficiently and confidently in all areas of dosimetry in addition to personnel dose measurements.

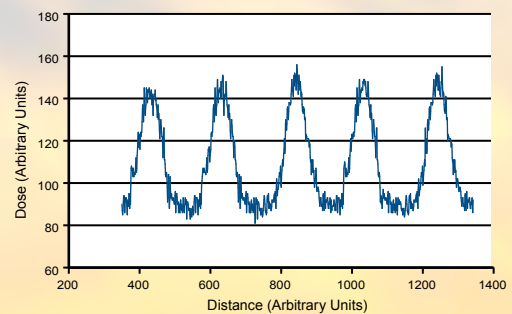
Features that define CT quality control

FEATURES	BENEFITS
• Ease of application	• You expose it, we read it out, and e-mail you the results.
• Quick assessment of CT equipment	• Less downtime for QC testing
• Small size	• Simple to handle and Landauer does the reading.
• Accurate measurement	• CT dose accuracy through NIST traceable calibration
• High resolution profiles	• Readings every 0.1 mm along entire length of OSL strip
• Designed to work with FDA CT dose phantom	• 15 cm active OSL length

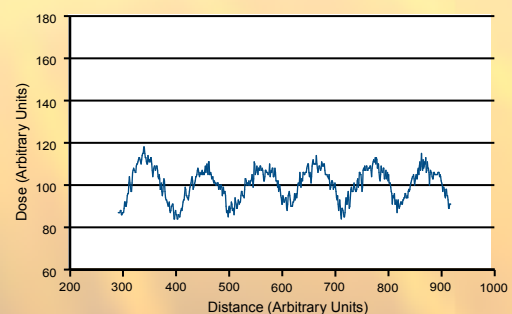


Works-In-Progress
 Not for sale for patient measurements at the present time
 510(k) to be submitted to the U.S. Food and Drug Administration

Large Overlap



Small Overlap



Thinking outside the badge™