**ABOUT THE DOSECONTROL® DOSIMETRY SYSTEM**

The DoseControl dosimetry system integrates a powerful 21 CFR Part 11-compliant dosimetry system with a Thermo Scientific™ spectrophotometer, controlling the measurement process and making it simple to create and maintain dosimetry records. This system is a versatile solution for industrial routine dosimetry applications, and can accommodate several different types of dosimeters, such as 93, 197, and PMMA.

- High-performance Thermo Scientific spectrophotometers: Designed to be simple and fast with unsurpassed performance and data security.
- DoseControl measurement software: Designed specifically to meet the needs of industrial dosimetry, this software combines data integrity with speed and reliability.
- Specialized dosimeter holders: Customized for the 93 DoseSite, 197 Whidbey, F1T and PMMA dosimeters, these holders easily pop into the spectrophotometer without the need for tools to install.

**CHOICE OF THERMO SCIENTIFIC® SPECTROPHOTOMETER**

- For 93, 197, CTA and PMMA (such as Hanwell Red Perspex) dosimeters.
- Specialized holders for 93 DoseSite, 197 Whidbey, and PMMA dosimeters.
- Internal barcode reader for 93 DoseSite.
- Internal laser micrometer for PMMA dosimeters, simultaneously reads dosimeter while measuring thickness.
- Xenon lamp (life guaranteed for 3 years continuous use; typical is 6 years).
- Automatic, hands-free performance verification with validated Thermo Scientific data.
- Enclosed light tube — no need to close lid during readings.
- Fully integrated with DoseControl software.

**DOSECONTROL® SOFTWARE: COMPLETE DATA INTEGRITY**

- Ensures absolute integrity of 93 DoseSite dosimeter measurements by linking them to a simultaneously scanned barcode ID number.
- Ensures absorbance and thickness measurements of Red and Amber Perspex are linked with absorbance and thickness because they are measured simultaneously in the same dosimeter holder.

**Features**
- Administration of irradiation pathways, dosimeter batches, spectrophotometer fleet, laser microscopes, and dosimetry system calibrations.
- Verification of spectrophotometer serial number, wavelength, and spectral bandwidth with each measurement to match dosimeter batch-calibration configuration.
- Manages and controls the measurement process flow in accordance with user-determined procedures including readings.
- Version control of dosimetry measurement reports (print, export data).
- 21 CFR part 11 compliant.
- Provides user access and permission control.
- Integrates with customers’ enterprise databases (optional) to pull data into dosimetry reports (e.g., dose specifications) or push data back.

**Important Benefits**
- Automatic selection of batch calibration curve for each report based on user input or stored data (configurable).
- Uniformity in measurements results — Every measurement follows the same process, as defined by your software administrator.
- Eliminates user error by controlling workflow and eliminating decisions.
- Electronic audit trail — who did what, when, and why.
- Data security managed by your own corporate IT policies.
- Easy to use, modern user interface in Windows®

**Operating Platform**

**User Workstations:**
- Windows 7-10 x32 or x64
- At least 4 GB RAM
- 2.0 GHz processor — or higher

**Application Database Servers:**
- SQL Server 2008 R2
  - Or higher
- At least 10 GB
  - Hard drive space
- At least 8 GB RAM
DoseControl® Dosimetry System

WHO WE ARE
Since 1961, GEX is a single-source provider of a complete range of dosimetry products and services for the radiation processing industry. We serve the complete spectrum of gamma, e-beam, and x-ray radiation process applications, such as medical device sterilization, surface decontamination, the curing of inks and coatings, and food irradiation.

WHAT WE DO
We offer everything you will need for a successful dosimetry program:
- Dosimetry Systems
- Dosimeters
- Dosimetry Software
- Accessories
- Procedures
- Dosimeter Batch Calibration Services
- Customer Support
- Expert Experience and Knowledge

THE IDEAL SOLUTION FOR INDUSTRIAL RADIATION PROCESSING APPLICATIONS

- Makes operations efficient and audits easy
  - Powerful software provides step-by-step management of the dosimetry workflow
  - 21 CFR part 11 compliant
  - Ensures measurement integrity