ABOUT THE DOSECONTROL™ DOSIMETRY SYSTEM

The DoseControl™ dosimetry system integrates a powerful 21 CFR Part 11 conforming dosimetry software 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 radiation dosimetry applications, and can accommodate several different types of dosimeters, such as Bq, FWT, and PMMA.

High-performance Thermo Scientific spectrophotometers: Designed to be simple and fast with unsurpassed performance and data accuracy.

DoseControl measurement software: Designed specifically to meet the needs of industrial dosimetry. This software contains data integrity with speed and reliability.

Specialized dosimeter holders: Customized for the Bq Doseflex, Bq WinDose, FWT, and PMMA dosimeters. These holders easily pop into the spectrophotometer without the need for tools to install.

CHOICE OF THERMO SCIENTIFIC SPECTROPHOTOMETERS

- For Bq, FWT, and PMMA (such as Harwell Red and Amber Penelope) dosimeters.
- Internal barcode reader for Bq Doseflex, simultaneously obtains optical absorbance of the dosimeter while reading barcode.
- Internal laser microfotometer for PMMA dosimeters: simultaneously obtains optical absorbance of the dosimeter while measuring thickness.
- Easily change dosimeter holders (no tools necessary) with specially-designed holder systems.
- Xenon lamp (lifetime guaranteed for 5 years continuous use [typical is 5 years]).
- Sealed optical beam: No dust or particulates can get into the optics.
- Automated performance verification with validated Thermo Scientific tools in accordance with ISO 17025, 17034, and/or EU IVD harmonizes.
- Enclosed light tube: no need to close lid during readings.
- Fully integrates with DoseControl software.

- For Bq and FWT attachment dosimeters.
- External barcode reader.
- Xenon lamp (lifetime 1000 hours).
- Performance verification with Thermo Scientific Standards 2:9.
- Enclosed light tube: no need to close lid during readings.
- Fully integrates with DoseControl software.

DOSECONTROL™ SOFTWARE: COMPLETE DATA INTEGRITY

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

Features

- Provides user access and permissions control via local admin or TAF with active directory.
- Validation 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 reports.
- Version control of dosimetry measurement reports (print, export, edit).
- 21 CFR part 11 compliant.
- Administration of radiation pathways, dosimeter batches, spectrophotometer logs, user microfotometers, and dosimetry system parameters.
- Integrates with customer’s 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 input or stored data configurations.
- Uniformity in measurement results -- every measurement follows the same process as defined by your software administrator.
- Eliminates user error by controlling workflow and eliminating omissions.
- Verifies electronic data trail -- who did what, when, and why.
- Data security managed by complete 21 CFR policies.
- Easy to use with a modern user interface in Windows®.

Operating Platform

User Workstations:
- Windows 7–10 x64 or x86
- At least 4 GB RAM
- 2.0 GHz processor or higher

Application Database Servers:
- SQL Server 2008 R2 or higher
- At least 50 GB
- Hard drive space
- At least 128 MB RAM
About GEX...

WHO WE ARE
Since 1989, 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
- Accessories
- Software
- Procedures
- Dosimeter Batch Calibration Services
- Customer Support
- Expert Experience and Knowledge

DoseControl™ Dosimetry System

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 data integrity

www.gexcorp.com
sales@gexcorp.com
+1 360 432 5440

Dosimetry. Simplified.