## 1. PURPOSE

To provide specific instructions for the following Six sections:

Section 1: Product Specifications and Product Description

Section 2: GEX B3 120 Matrix Scanner and Mount Installation to the Genesys 30 Baseplate

Section 3: Install the GEN30 Base plate inside the GEN30 Sample Compartment

Section 4: Software Installation – Setting up the Matrix 120 Scanner for use with GEX DoseControl

Section 5: Troubleshooting Guide for adjusting the Focus Dial Setting of the Matrix Scanner and the Gain and Exposure Time Setup Configuration

Section 6: GEN30 Cableway Lid with new cut out

## 2. DESCRIPTION

The Datalogic Matrix 120 Barcode Scanner is a component of the DoseControl® Dosimetry System. It is mounted inside the GENESYS 30 Spectrophotometer sample compartment using a specially designed bracket and connected to the dosimetry workstation PC with a USB interface cable.

## **3. APPLICATION**

The device is capturing or verifying the sample ID at the time of measurement using the barcode ID for certain models of B3 Dosimeters, as part of the DoseControl® Dosimetry System. For the DoseControl® dosimetry system, the Matrix scanner feature is appropriate for 1 dosimeter/pouch (1 absorbance count) applications.

## **4. SPECIFICATIONS**

| PRODUCT DIMENSIONS  | PACKAGING DIMENSIONS   | PRODUCT WEIGHT |  |  |  |  |
|---|--|----------------|--|--|--|--|
| 45.4mm (L) x 29.2mm (W) x<br>23.5mm (H)<br>(1.79"L x 1.16"W x 0.93"H) | 12.7cm (L) x 12.7cm (L) x 7.62 cm (H)<br>(7.0"L x 5.3/4"W x 3.1/2"H)   | 0.8 lbs.       |  |  |  |  |
|   |  |                |  |  |  |  |
| MATERIAL  | Cost eluminum housing  |                |  |  |  |  |
|   | Cast aluminum nousing  |                |  |  |  |  |
| COLOR   | Blue   |                |  |  |  |  |
| PACKAGING   | Manufacturer's cardboard box and wrapped in bulk packaging protection and prevent movement inside the product box during transport. A soft lens cleaning wipe is included. |                |  |  |  |  |
|   |  |                |  |  |  |  |

|   | Bill of Material    |              |         |      |     |   |  |  |  |
|---|---------------------|--------------|---------|------|-----|---|--|--|--|
|   | RAW MATERIAL<br>P/N | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION   |  |  |  |
| Product P/N: P4450  | rP4405              | 7500-1502    | P4405   | 1    | 1   | G30 Dosimeter Baseplate and Beam Enclosure Assembly |  |  |  |
| Product Description: Section 1                                    | rP4390              | 937800000    | P4390   | 2    | 1   | GEX B3 120 Matrix Barcode Scanner Assembly          |  |  |  |
| Genesys 30 (GEX B3 120 Matrix<br>Scapper Assembly Specifications) | N/A                 | 7500-1527    | N/A     | 3    | 1   | Assy, Light Blocking Cable Way, GEN-30              |  |  |  |
| Scame Assembly Specifications)                                    | N/A                 | N/A          | N/A     | 4    | 1   | USB Converter Cable                                 |  |  |  |
|   | N/A                 | N/A          | N/A     | 5    | 2   | M 2.5 x 5 Metric Socket Cap Screw                   |  |  |  |
| Process ID: WorkStation Setup                                     | N/A                 | N/A          | N/A     | 6    | 2   | #4 – 40 x 0.5" Cap Screw                            |  |  |  |
|   | N/A                 | N/A          | N/A     | 7    | 1   | 5/64' Hex Driver Tool                               |  |  |  |
|   | N/A                 | N/A          | N/A     | 8    | 1   | 3/32' Hex Driver Tool                               |  |  |  |







|                                  | Bill of Material                                  |              |         |      |     |  |  |
|----------------------------------|---|--------------|---------|------|-----|--|--|
|                                  | RAW MATERIAL<br>P/N                               | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION                              |  |
| Product P/N: P4450               | rP4390  | N/A          | P4390   | 1    | 1   | Datalogic Matrix 120 Barcode Scanner     |  |
| Product Description: Genesys 30  | rP4450  | N/A          | P4450   | 2    | 1   | GEN 30 Baseplate Matrix Scanner Assembly |  |
| 30 Dosimeter Base Plate Assembly | N/A   | N/A          | N/A     | 3    | 1   | GEN-30-GB3 Matrix Mount                  |  |
|                                  | rP4402  | 840-278200   | P4402   | 4    | 1   | Genesys 30 Lid                           |  |
| Process ID: Product Description  | SECTION 1: PRODUCT SPECIFICATIONS AND DESCRIPTION |              |         |      |     |  |  |







<u>IMPORTANT</u>: The product includes the Matrix 120 Barcode Scanner with the integrated USB cable, and the mount with screws to secure to the P4330 GEX Dosimeter Base Plate.



Release Date: 05/17/2024

|   | Bill of Material    |              |         |      |     |             |  |
|---|---------------------|--------------|---------|------|-----|-------------|--|
|   | RAW MATERIAL<br>P/N | SUPPLIER P/N | GEX P/N | FIND | QTY | DESCRIPTION |  |
| Product P/N: P4450                                | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |
| Product Description: Genesys 30                   | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |
| 30 Dosimeter Base Plate Assembly                  | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |
|   | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |
| Process ID: Product Description                   | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |
| SECTION 1: PRODUCT SPECIFICATIONS AND DESCRIPTION |                     |              |         |      |     |             |  |

## 4.1 Calibration

None is required.

## 4.2 Required Software

4.2.1 The Matrix 120 Barcode Scanner requires a USB Driver and Datalogic, DL.CODE Software, (Published by Datalogic) to be installed on a Windows OS PC. The Matrix integrates with GEX DoseControl® software, (See Section 8).

## 4.3 Matrix 120 Barcode Scanner Focal Length Dial Setting

4.3.1 None is required and ready for use. The scanner is preset for the Genesys 30 spectrometers.

## 4.4 Configuration Setting

4.4.1 None is required. The scanner is preloaded with the DoseControl® software "config" file and gain and exposure time setup configuration for the Genesys 30.

#### 4.5 Maintenance

4.5.1 The barcode scanner must be installed in a location where it will not be exposed to excessive dust or other particulate matter.

- 4.5.2 The barcode scanner must be cleaned as part of a preventive maintenance program at a frequency dependent on the level of cleanliness of the area. Any accumulated particulate can be removed using compressed air, and any smudges on the lens may be removed with a clean, soft wipe.
- 4.5.3 Avoid dropping or physically damaging the scanner. If damage occurs, verify performance. Contact GEX Customer Service at <a href="mailto:support@gexcorp.com">support@gexcorp.com</a> for assistance.

## 4.6 Storage

4.6.1 Store the device in a cool and dry area.

|   | Bill of Material       |                |         |         |        |                                    |  |
|---|------------------------|----------------|---------|---------|--------|------------------------------------|--|
|   | RAW MATERIAL<br>P/N    | SUPPLIER P/N   | GEX P/N | ITEM    | QTY    | DESCRIPTION                        |  |
| Product P/N: P4450  | -                      | -              | P4405   | 1       | 0      | Holder System Baseplate            |  |
| Product Description: Genesys 30                           | N/A                    | N/A            | N/A     | 2       | 0      | Matrix Scanner Tube Mount (Left)   |  |
| Spectrophotometer (G30) with Genesys                      | N/A                    | N/A            | N/A     | 3       | 2      | Soc HD Screw, #4-40NC x 0.625      |  |
|   | N/A                    | N/A            | N/A     | 4       | 0      | Hex Driver Tool (3/32")            |  |
| Process ID: GEX B3 120 Matrix Scanner                     | N/A                    | N/A            | N/A     | N/A     | N/A    |                                    |  |
| Installation  | SEC                    | TION 2: 120 MA |         | NER ANI | D MOUN | T INSTALLATION ON GEN30 BASE PLATE |  |
| 1. Pomovo itom 2 using                                    | itom 1 and rotain itor | m 3            |         |         |        |                                    |  |
| NOTE: See PSU 100-<br>Holder System and ba<br>beam tubes. | -168 for the Dosimeto  | er<br>te       |         | 3       |        |                                    |  |

|                                       | Bill of Material   |              |         |      |     |                                   |  |
|---------------------------------------|--|--------------|---------|------|-----|-----------------------------------|--|
|                                       | RAW MATERIAL<br>P/N  | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION                       |  |
| Product P/N: P4450                    | N/A  | N/A          | N/A     | 1    | 0   | GEX B3 120 Matrix Scanner         |  |
| Product Description: Genesys 30       | N/A  | N/A          | N/A     | 2    | 0   | Matrix Scanner Tube Mount (Left)  |  |
| 30 Dosimeter Base Plate Assembly      | N/A  | N/A          | N/A     | 3    | 0   | M 2.5 x 5 Metric Socket Cap Screw |  |
|                                       | N/A  | N/A          | N/A     | 4    | 0   | Soc HD Screw, #4-40NC x 0.625     |  |
|                                       | N/A  | N/A          | N/A     | 5    | 0   | Hex Driver Tool (3/32")           |  |
| Process ID: GEX B3 120 Matrix Scanner | N/A  | N/A          | N/A     | 6    | 0   | Hex Driver Tool (5/64")           |  |
| Installation                          | SECTION 2: 120 MATRIX SCANNER AND MOUNT INSTALLATION ON GEN30 BASE PLATE |              |         |      |     |                                   |  |





|                                  | Bill of Material   |              |         |      |     |                          |  |
|----------------------------------|--|--------------|---------|------|-----|--------------------------|--|
|                                  | RAW MATERIAL<br>P/N  | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION              |  |
| Product P/N: P4450               | -  | -            | P4405   | 1    | 0   | Holder System Baseplate  |  |
| Product Description: Genesys 30  | N/A  | 7500-1527    | N/A     | 2    | 1   | Cable Way Base GEN-30    |  |
| 30 Dosimeter Base Plate Assembly | N/A  | N/A          | N/A     | 3    | 2   | #4 – 40 x 0.5" Cap Screw |  |
|                                  | N/A  | N/A          | N/A     | 4    | 0   | Hex Driver Tool (3/32")  |  |
| Process ID: Cable Way Mount      | N/A  | N/A          | N/A     | N/A  | N/A |                          |  |
| Installation                     | SECTION 2: 120 MATRIX SCANNER AND MOUNT INSTALLATION ON GEN30 BASE PLATE |              |         |      |     |                          |  |



Release Date: 05/17/2024

|                                  | Bill of Material   |              |         |      |     |                                 |  |  |  |
|----------------------------------|--|--------------|---------|------|-----|---------------------------------|--|--|--|
|                                  | RAW MATERIAL   | AW MATERIAL  |         |      |     |                                 |  |  |  |
|                                  | P/N  | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION                     |  |  |  |
| Product P/N: P4450               | N/A  | 7500-1527    | N/A     | 1    | 0   | Cable Way Base GEN-30           |  |  |  |
| Product Description: Genesys 30  | N/A  | N/A          | N/A     | 2    | 2   | Soc Head Screw, #4-40 NC x 0.75 |  |  |  |
| 30 Dosimeter Base Plate Assembly | N/A  | N/A          | N/A     | 3    | 0   | Hex Driver Tool (3/32")         |  |  |  |
|                                  | N/A  | N/A          | N/A     | N/A  | N/A |                                 |  |  |  |
| Process ID: Cable Way Assembly   | SECTION 2: 120 MATRIX SCANNER AND MOUNT INSTALLATION ON GEN30 BASE PLATE |              |         |      |     |                                 |  |  |  |



|   | Bill of Material    |              |         |      |     |             |  |  |
|---|---------------------|--------------|---------|------|-----|-------------|--|--|
|   | RAW MATERIAL<br>P/N | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION |  |  |
| Product P/N: P4450  | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |  |
| Product Description: Genesys 30                                 | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |  |
| Spectrophotometer (G30) with<br>Genesus 30 Dosimeter Base Plate | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |  |
| Assembly  | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |  |
|   |                     |              |         |      |     |             |  |  |



Release Date: 05/17/2024

|                                  | Bill of Material   |              |         |      |     |   |  |
|----------------------------------|--|--------------|---------|------|-----|---|--|
|                                  | RAW MATERIAL<br>P/N  | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION                                 |  |
| Product P/N: P4450               | N/A  | 7500-1529    | N/A     | 1    | 0   | Grommet, Altered, Cable Way, Rubber Bushing |  |
| Product Description: Genesys 30  | N/A  | N/A          | N/A     | 2    | 0   | Gate Way Holder, GEN-30                     |  |
| 30 Dosimeter Base Plate Assembly | N/A  | N/A          | N/A     | N/A  | N/A |   |  |
|                                  | N/A  | N/A          | N/A     | N/A  | N/A |   |  |
|                                  | N/A  | N/A          | N/A     | N/A  | N/A |   |  |
| Process ID: Cable Way Assembly   | SECTION 2: 120 MATRIX SCANNER AND MOUNT INSTALLATION ON GEN30 BASE PLATE |              |         |      |     |   |  |



1. Insert the scanner cable into the rubber grommet opening of the Cable Way and fit rubber grommet to proper fitting as shown in figure 1.





2. Verify the rubber grommet sits flush with the Cable Way opening before reattaching the cable way holder.

|   | Bill of Material    |              |         |      |     |                                 |  |  |
|---|---------------------|--------------|---------|------|-----|---------------------------------|--|--|
|   | RAW MATERIAL<br>P/N | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION                     |  |  |
| Product P/N: P4450  | N/A                 | 1500-1529    | N/A     | N/A  | N/A |                                 |  |  |
| Product Description: Genesys 30   | N/A                 | N/A          | N/A     | 2    | N/A | Soc Head Screw, #4-40 NC x 0.75 |  |  |
| Spectrophotometer (G30) with sub-part<br>Genesys 30 Dosimeter Base Assembly | N/A                 | N/A          | N/A     | 3    | N/A | 5/64' Hex Driver Tool           |  |  |
|   | N/A                 | N/A          | N/A     | N/A  | N/A |                                 |  |  |
|   |                     |              |         |      |     |                                 |  |  |

Process ID: Cable Way Assembly

SECTION 2: 120 MATRIX SCANNER AND MOUNT INSTALLATION ON GEN30 BASE PLATE





2. Secure the Cable Way Holder wir items 2 and 3.

|  | Bill of Material |                 |           |        |     |                                  |  |  |
|--|------------------|-----------------|-----------|--------|-----|----------------------------------|--|--|
|  | RAW MATERIAL     |                 | GEX D/N   | ITEM   | οτν | DESCRIPTION                      |  |  |
| Product P/N: P4450                         | N/A              | CAB-1021        | N/A       | 1      | 1   | USB Converter Cable              |  |  |
| Product Description: Genesys 30            | N/A              | N/A             | N/A       | N/A    | N/A |                                  |  |  |
| Spectrophotometer (G30) with sub-part      | N/A              | N/A             | N/A       | N/A    | N/A |                                  |  |  |
| Assembly                                   | N/A              | N/A             | N/A       | N/A    | N/A |                                  |  |  |
| Process ID: USB Cable Connection           | SEC              | TION 2: 120 MAT | RIX SCANN | ER AND |     | INSTALLATION ON GEN30 BASE PLATE |  |  |
|  |                  |                 |           |        |     |                                  |  |  |
| 1. Connect item 1 to<br>Matrix Scanner cab | o the<br>le.     |                 |           |        |     |                                  |  |  |

|  | Bill of Material    |              |         |      |     |             |  |  |
|--|---------------------|--------------|---------|------|-----|-------------|--|--|
|  | RAW MATERIAL<br>P/N | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION |  |  |
| Product P/N: P4450   | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |  |
| Product Description: Genesys 30  | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |  |
| Spectrophotometer (G30) with sub-part<br>Genesys 30 Dosimeter Base Plate | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |  |
| Assembly   | N/A                 | N/A          | N/A     | N/A  | N/A |             |  |  |

Process ID: Complete Assembly

SECTION 2: 120 MATRIX SCANNER GEN30 BASE PLATE COMPLETE ASSEMBLY



|  | Bill of Material |   |     |     |     |            |  |  |
|--|------------------|---|-----|-----|-----|------------|--|--|
|  |                  |   |     |     |     |            |  |  |
| Product P/N: P4450                       | N/A              | N/A   | N/A | N/A | N/A | BEGONI HON |  |  |
| Product Description: Genesys 30          | N/A              | N/A   | N/A | N/A | N/A |            |  |  |
| Genesvs 30 Dosimeter (G30) with sub-part | N/A              | N/A   | N/A | N/A | N/A |            |  |  |
| Assembly                                 | N/A              | N/A   | N/A | N/A | N/A |            |  |  |
| <b>Process ID:</b> Prior to Installation | Un               | Linkey the Matrix for Increation before installation into the CEN20 Spectrophotometer |     |     |     |            |  |  |

5. Unbox the Matrix 120 Barcode Scanner and visually inspect for damage.

5.1 If damage occurs, verify performance, and contact GEX Customer Service <a href="mailto:support@gexcorp.com">support@gexcorp.com</a> for assistance.

<u>IMPORTANT:</u> Do not adjust the Matrix Scanner focus dial setting or software configuration file.

**IMPORTANT:** GEX has preset the Matrix Scanner focus dial settings for the Genesys 30 prior to shipping.

**IMPORTANT:** GEX has pre-loaded the scanner with the DoseControl® software "config" file for the Genesys 30 gain and exposure time setup configuration prior to shipping.

5.3 If the need arises where it is necessary to adjust the Matrix Scanner focus dial setting and/or the gain and exposure time setup configuration, refer to the troubleshooting guide below.

#### NOTE:

The Assembly (P4405) when ordered, the mount is attached to the base plate by GEX prior to shipment as seen in Figure 1.



|   | Bill of Material    |             |     |     |     |                                  |  |  |  |
|---|---------------------|-------------|-----|-----|-----|----------------------------------|--|--|--|
|   | RAW MATERIAL<br>P/N | DESCRIPTION |     |     |     |                                  |  |  |  |
| Product P/N: P4450<br>Product Description: Genesys 30<br>Spectrophotometer (G30) with sub-part<br>Genesys 30 Dosimeter Base Plate<br>Assembly | N/A                 | N/A         | N/A | 1   | N/A | Matrix Scanner Tube Mount (Left) |  |  |  |
|   | N/A                 | N/A         | N/A | 2   | N/A | Soc HD Screw, #4-40NC x 0.625    |  |  |  |
|   | N/A                 | N/A         | N/A | 3   | N/A | Hex Driver Tool (3/32")          |  |  |  |
|   | N/A                 | N/A         | N/A | N/A | N/A |                                  |  |  |  |

Process ID: Left Beam Tube Removal

SECTION 3: INSERTING THE GEN30 BASE PLATE INTO THE GEN30 SAMPLE COMPARTMENT



|   | Bill of Material  |              |             |     |     |                                  |  |  |
|---|---|--------------|-------------|-----|-----|----------------------------------|--|--|
|   | RAW MATERIAL<br>P/N   | SUPPLIER P/N | DESCRIPTION |     |     |                                  |  |  |
| Product P/N: P4450  | N/A   | N/A          | N/A         | 1   | N/A | Matrix Scanner Tube Mount (Left) |  |  |
| Product Description: Genesys 30<br>Spectrophotometer (G30) with sub-part<br>Genesys 30 Dosimeter Base Plate | N/A   | N/A          | N/A         | 2   | N/A | Soc HD Screw, #4-40NC x 0.625    |  |  |
|   | N/A   | N/A          | N/A         | 3   | N/A | Hex Driver Tool (3/32")          |  |  |
| Assembly  | N/A   | N/A          | N/A         | N/A | N/A |                                  |  |  |
| Process ID: Left Beam Tube<br>Installation  | SECTION 3: INSERTING THE GEN30 BASE PLATE INTO THE GEN30 SAMPLE COMPARTMENT |              |             |     |     |                                  |  |  |



#### ION 3: INSERTING THE GEN30 BASE PLATE INTO THE GEN30 SAMPLE COMPARTMENT



1. Carefully insert the baseplate assembly into the GENESYS 30 sample chamber by lining up the locking pins with the cups in the base of the spectrophotometer. Gently tighten the screw (finger tight, ½-1 turn of the screw) into the brass locking nut. See Figure 2.

|   | Bill of Material   |              |         |      |     |             |  |  |
|---|--|--------------|---------|------|-----|-------------|--|--|
|   | RAW MATERIAL<br>P/N  | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION |  |  |
| Product P/N: P4450  | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Product Description: Genesys 30   | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Genesys 30 Dosimeter Base Plate   | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Assembly  | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Process ID: Software Installation   | SECTION4: Software Installation for the GEN30 Matrix Scanner   |              |         |      |     |             |  |  |
| 6. Setup the M<br>for use with GI<br>6.1. Connect the power co<br>of the instrument to the<br>supply requirements.<br>6.2. Install<br>Driver.<br>NOTE: Integration with GEX's DoseCo<br>installation of the Thermo GEN<br>be used. GEX supplies the dri<br>software. Contact GEX Custor<br>locating the driver. | Atrix 120 Barcode Se<br>EX DoseControl® .<br>ord from the front, right<br>e outlet meeting the e<br>Thermo GENESYS :<br>control® software requires a software requires a software requires a software requires a software for assisted as a software for a softwar | anner        |         |      |     |             |  |  |

|  | Bill of Material   |              |         |      |     |             |  |  |
|--|--|--------------|---------|------|-----|-------------|--|--|
|  | RAW MATERIAL<br>P/N  | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION |  |  |
| Product P/N: P4450   | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Product Description: Genesys 30  | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Spectrophotometer (G30) with sub-part<br>Genesys 30 Dosimeter Base Plate | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Assembly   | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Process ID: Software Installation  | SECTION4: Software Installation for the GEN30 Matrix Scanner |              |         |      |     |             |  |  |



|  | Bill of Material   |              |         |      |     |             |  |  |
|--|--|--------------|---------|------|-----|-------------|--|--|
|  | RAW MATERIAL<br>P/N  | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION |  |  |
| Product P/N: P4450   | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Product Description: Genesys 30  | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Spectrophotometer (G30) with sub-part<br>Genesus 30 Dosimeter Base Plate | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Assembly   | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Process ID: Software Installation  | SECTION4: Software Installation for the GEN30 Matrix Scanner |              |         |      |     |             |  |  |

6.2. Setup the Matrix 120 Barcode Scanner for use with GEX



**IMPORTANT:** The USB Driver "Check" is very important for the installation process to occur. If skipped or missed, it is very difficult to fix the problem.

<u>Note</u>: Administrator privileges required to approve the installation (via UAC or Admin credentials).

1. Save the file to your computer.

2. Install the DL.CODE.

3. Extract the contents of the zip file previously downloaded.

4. Find and open the folder DL.CODE and double click the start.hta file.

5. Click Run if prompted with a security warning.

6. **Select DL.CODE** and **click the Install DL.CODE** link In the installation window's Configuration & Monitoring Utility section.

See Window2 to the left.

7. Click Run in the View Downloads window.

8. Check the **USB Driver** box and click **Install** in the DL.CODE **Welcome** window. **This step is very important**, *If skipped or missed, it is very difficult to fix the problem.* 

9. Click **Next** in the Welcome window, accept the License Agreement. Click **Next** to continue.

10. Click **Next** to accept the defaults in the Destination Folder window, and then click **Install**.

11. Un-check the Launch checkbox if selected and click Finish.

12. Close the **DL.CODE Setup**, **View Downloads** and DataLogic Installation windows.

|  | Bill of Material   |              |         |      |     |             |  |  |
|--|--|--------------|---------|------|-----|-------------|--|--|
|  | RAW MATERIAL<br>P/N  | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION |  |  |
| Product P/N: P4450   | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Product Description: Genesys 30  | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Spectrophotometer (G30) with sub-part<br>Genesus 30 Dosimeter Base Plate | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Assembly   | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Process ID: Software Installation  | SECTION4: Software Installation for the GEN30 Matrix Scanner |              |         |      |     |             |  |  |

6.3 Launch the DL.CODE and attach it to the Matrix 120 scanner



|                                       | Bill of Material   |   |     |     |     |  |  |  |
|---------------------------------------|--|---|-----|-----|-----|--|--|--|
|                                       | RAW MATERIAL<br>P/N  | RAW MATERIAL<br>P/N SUPPLIER P/N GEX P/N ITEM QTY DESCRIPTION |     |     |     |  |  |  |
| Product P/N: P4450                    | N/A  | N/A   | N/A | N/A | N/A |  |  |  |
| Product Description: Genesys 30       | N/A  | N/A   | N/A | N/A | N/A |  |  |  |
| Genesus 30 Dosimeter Base Plate       | N/A  | N/A   | N/A | N/A | N/A |  |  |  |
| Assembly                              | N/A  | N/A   | N/A | N/A | N/A |  |  |  |
| Process ID: Open Device Configuration | SECTION4: Software Installation for the GEN30 Matrix Scanner |   |     |     |     |  |  |  |

|        |                         |   |                           |              | File Options     | Device Hel                    | D                      |                                | -  |
|--------|-------------------------|---|---------------------------|--------------|------------------|-------------------------------|------------------------|--------------------------------|--|
| F      | ile Options             | Device  | Help                      | Window4.     |                  |                               |                        |                                | Window6.   |
|        | Change Language         |   |                           |              |                  |                               | 9. <b>F F</b>          | Q, Q€                          | VDALAL   |
|        | Change Language         |   |                           |              | Device Selection |                               |                        |                                | Help   |
| æ      | UI Settings             |   |                           |              | Online Devices   | ~                             | Selected Device Deta   | ils                            | ^  |
| _      |                         |   |                           |              |                  |                               | Name                   | Matrix                         | Device Selection   |
| مکر کا | Log                     |   |                           |              |                  | 169.254.5.251; Ma<br>I9L25827 | Lavout Type            | Alone                          |  |
|        | Observe Users           |   |                           | lles Desis   |                  |                               | Internal Network Role  | Slave                          |  |
| ā.     | Change User             |   | Insta                     | aller-Basic  |                  |                               | Status                 | Gen 30 Running                 |  |
|        |                         |   |                           |              |                  |                               | Startup Info           | ок                             |  |
|        | Restore UI Layout to    | o Default   | <ul> <li>Insta</li> </ul> | aller-Expert |                  |                               | IP Address             | 169.254.5.251                  |  |
|        |                         |   |                           |              |                  |                               | Application SW Version | 1 1.5.3.3                      |  |
|        | Online Devices          |   | Use                       | r-Basic      |                  |                               | Loader Version         | 4.2.0.28                       |  |
| 벁      | 1                       |   |                           |              |                  |                               | Task Selection         |                                | The Device Selection scre<br>to choose an Online Devi<br>Serial Device, or an Offlir |
|        |                         |   |                           |              |                  |                               |                        |                                | (Simulator) to work with.  |
|        |                         |   |                           |              |                  |                               |                        |                                |  |
| 1      |                         |   |                           |              |                  |                               |                        | en Device Configuration        | Device List Area   |
|        | ser and if not selected | enu, select <b>Chan</b><br>click <b>Installer-F</b> | ge<br>Expert:             |              |                  |                               |                        |                                | Selected Device In<br>Area   |
|        |                         | ,   |                           |              |                  |                               |                        |                                |  |
|        |                         |   |                           |              |                  |                               | Pre Pre                | esentation Mode                | Task Selection   |
|        |                         |   |                           |              |                  |                               |                        |                                | Open Device Conf   |
|        |                         |   |                           |              |                  |                               |                        |                                | Presentation Mod   |
|        |                         |   |                           |              |                  |                               |                        |                                | Setup Internal Ne  |
|        |                         |   |                           |              |                  |                               | Mo                     | piter Dovice                   | Configuration  |
|        |                         |   |                           |              |                  |                               |                        | initor Device                  | PackTrack Calibra  |
| 1      | Million - Davida -      |   |                           |              |                  |                               |                        |                                | Monitor Device   |
| (      | DITIINE Devices         |   |                           | Window5.     |                  |                               |                        |                                | Web Monitor  |
| _      |                         |   |                           |              |                  |                               | We                     | b Monitor                      |  |
|        |                         |   |                           |              |                  |                               |                        |                                |  |
| l      | Jser : Installer-Expert |   |                           |              |                  |                               |                        |                                |  |
|        |                         |   |                           |              |                  |                               |                        |                                |  |
|        |                         |   |                           |              |                  |                               |                        |                                |  |
|        |                         | -   |                           | 🙃 💻 🛌 🗖      | 3 Double (       | Click the so                  | canner that an         | nears in the Online Devices    | section The  |
|        |                         |   |                           |              |                  |                               |                        | ted Device Information Are     |  |
|        |                         |   |                           |              | scanner          | now appea                     | rs in the Selec        | cted Device Information Are    | a (See window  |
|        |                         |   |                           |              | 6).              |                               |                        |                                |  |
| 2      | Llear har at the bott   | tom of the appl                                     | ication will r            | eflect       | ,                |                               |                        |                                |  |
| 1 2    |                         | ion or the appl                                     |                           | elleot       |                  |                               |                        |                                |  |
|        | the current user (ex    | pect a short de                                     | elay to occur             | r when       |                  |                               |                        |                                |  |
|        | obonging o upor         |   |                           |              | 4. Double        | Click the "C                  | Open Device C          | Configuration" button under Ta | ask Selection:   |
|        | changing a user).       |   |                           |              | this crow        | the Oner                      | Dovioo Confi           | guration paraon (Soo Window    | ·····,   |
| L      |                         |   |                           |              | uns oper         | is the Oper                   | I Device Conti         | guradon screen (See Windov     | v / ).   |

|  | Bill of Material   |              |         |      |     |             |  |  |
|--|--|--------------|---------|------|-----|-------------|--|--|
|  | RAW MATERIAL<br>P/N  | SUPPLIER P/N | GEX P/N | ITEM | QTY | DESCRIPTION |  |  |
| Product P/N: P4450   | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Product Description: Genesys 30  | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Spectrophotometer (G30) with sub-part<br>Genesus 30 Dosimeter Base Plate | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Assembly   | N/A  | N/A          | N/A     | N/A  | N/A |             |  |  |
| Process ID: Setup Configuration  | SECTION4: Software Installation for the GEN30 Matrix Scanner |              |         |      |     |             |  |  |

| Task Selection      | Open Device Configuration                 | Window7.                                    |  |
|---------------------|---|---|--|
| Open Device Configu | Default                                   | ×   | This confirms the GEX configuration is loaded on the scanner and is selected as the default.   |
| Presentation Mode   |   |   | <u>IMPORTANT</u> : The Matrix scanner is preloaded<br>with the GEX DoseControl®<br>software "config" file for the<br>Genesys 30 gain and exposure<br>time setup configuration prior to<br>shipping the scanner.  |
| Monitor Device      |   |   | NOTE: If there is <u>not</u> a GEX DC configuration<br>loaded on the scanner, load the GEX<br>DC.dlcfg file to the scanner before use<br>with GEX DoseControl® software.   |
| Web Monitor         | Set as Startup Configuration              |   | Go to Section 5 (Troubleshooting Guide) below<br>and follow the instructions in <i>Fixing problems</i><br><i>with the Matrix 120 Scanner</i> . If you are unable<br>to fix the problem, contact GEX Customer<br>Service <u>support@gexcorp.com</u> for assistance. |
|                     | OK  | Cancel                                      |  |
|                     | 6.4 Select the "GEX DC Configuration" box | ation" and verify the "Set<br>is "Checked". |  |

|                                       |                     |  |         | Bill | of Ma | terial      |  |  |
|---------------------------------------|---------------------|--|---------|------|-------|-------------|--|--|
|                                       | RAW MATERIAL<br>P/N | SUPPLIER P/N   | GEX P/N | ITEM | QTY   | DESCRIPTION |  |  |
| Product P/N: P4450                    | N/A                 | N/A  | N/A     | N/A  | N/A   |             |  |  |
| Product Description: Genesys 30       | N/A                 | N/A  | N/A     | N/A  | N/A   |             |  |  |
| Genesys 30 Dosimeter Base Plate       | N/A                 | N/A  | N/A     | N/A  | N/A   |             |  |  |
| Assembly                              | N/A                 | N/A  | N/A     | N/A  | N/A   |             |  |  |
| Process ID: Checking Correct Scanning |                     | SECTION4: Software Installation for the GEN30 Matrix Scanner |         |      |       |             |  |  |

Process ID: Checking Correct Scanning

Open Device Configuration

Window8.

| Default  |                      |
|--|----------------------|
| GEX DC   | ×                    |
|  |                      |
|  |                      |
|  |                      |
|  |                      |
|  |                      |
|  |                      |
|  |                      |
|  |                      |
| <ul> <li>Set as Startup Configuration</li> </ul> |                      |
| OK   | Cancel               |
|  |                      |
|  |                      |
| 6.5. Click "OK" on the Oper                      | Device Configuration |

screen. DL.CODE will open the Automatic Setup window for the attached scanner. The scanner will enter Continuous Mode, and its strobe will start to pulse.



- 6.6 Perform a scan test to ensure the Matrix scans the dosimeter barcode correctly.
- 6.7 Insert a DoseStix holder in into the baseplate cavity.
- 6.8 Place a DoseStix dosimeter sample in the holder, with the barcode facing the scanner.

|  |                     |              |             | Bill     | of Ma      | terial                      |
|--|---------------------|--------------|-------------|----------|------------|-----------------------------|
|  | RAW MATERIAL<br>P/N | SUPPLIER P/N | GEX P/N     | ITEM     | QTY        | DESCRIPTION                 |
| Product P/N: P4450   | N/A                 | N/A          | N/A         | N/A      | N/A        |                             |
| Product Description: Genesys 30  | N/A                 | N/A          | N/A         | N/A      | N/A        |                             |
| Spectrophotometer (G30) with sub-part<br>Genesys 30 Dosimeter Base Plate | N/A                 | N/A          | N/A         | N/A      | N/A        |                             |
| Assembly   | N/A                 | N/A          | N/A         | N/A      | N/A        |                             |
| Process ID: Confirming Barcode Scanning                                  |                     | SECTIC       | )N4: Softwa | re Insta | llation fo | or the GEN30 Matrix Scanner |



6.10 Click the pause button to pause the scanning.

- Window in DL.CODE, adjust the focal setting.
- 6.12 See the troubleshooting guide in section 5 to adjust the focal dial setting the Matrix 120 Scanner - Section (5), Adjusting the Focus Setting of the Matrix Scanner.

|   |   |   |   | Bill   | of Ma  | terial  |
|---|---|---|---|--|--------|---|
|   | RAW MATERIAL<br>P/N   | SUPPLIER P/N                                  | GEX P/N   | ITEM   | QTY    | DESCRIPTION   |
| Product P/N: P4450  | N/A   | N/A   | N/A   | N/A  | N/A    |   |
| Product Description: Genesys 30   | N/A   | N/A   | N/A   | N/A  | N/A    |   |
| Spectrophotometer (G30) with sub-part   | N/A   | N/A   | N/A   | N/A  | N/A    |   |
| Assembly  | N/A   | Ν/Δ   | N/A   | Ν/Δ  | Ν/Δ    |   |
| Process ID: Section 5 -<br>Troubleshooting Guide  | Section5: Troubles<br>First-time Configu  | shooting Guide<br>ration of the Mat           | rix Scanner   | (Only if   | GEX DC | Configuration is not preloaded on the scanner)  |
| <ul> <li>7.1 Perform first-time configuration for th</li> <li>7.2 Access the DoseControl® configuration DC.dlcfg file is provided with the soft</li> <li>7.3 In DL.CODE, click the File menu, set Configuration from PC".</li> </ul>  | e Matrix 120 scanner.<br>ion file provided by Gl<br>ware installation pack<br>lect <b>Open</b> and click " <b>C</b><br>I be lost. Do you want           | EX. (The GEX<br>(age.)<br>Open<br>to proceed? | Total     Carality       Control     Carality       Control     Settings       Control     Settings       Control     Settings  |  |        | Made Place to Not         South makes   |
| 7.4 Select the " <b>GEX Config-2022.dld</b><br>Open. Click " <b>Yes</b> " in the <b>Attentic</b><br><b>NOTE:</b> The DL.CODE will open the A<br>window for the attached scanr<br>will enter Continuous Mode, a<br>start to pulse. Good scans wi<br>green highlight around them ir<br>windows (See Windows 12 an | <b>cfg</b> " file and click<br>on dialog box.<br>utomatic Setup<br>her. The scanner<br>nd its strobe will<br>Il appear with a<br>h the Result<br>d 13). |   | Point     Other     Other         Point     Point     Point         Point     Point         Point     Point         Point     Point         Point     Point         Point     Point | NO<br>Lease Table Ta |        | Window13       Basic Reading Private One Note       Basic Reading Private One Note       Out of Private Note       Out of Private Note       Basic Reading Priv |

|  |  |                |             | Bill     | of Ma  | terial   |
|--|--|----------------|-------------|----------|--------|--|
|  | RAW MATERIAL<br>P/N                      | SUPPLIER P/N   | GEX P/N     | ITEM     | QTY    | DESCRIPTION                                    |
| Product P/N: P4450   | N/A                                      | N/A            | N/A         | N/A      | N/A    |  |
| Product Description: Genesys 30  | N/A                                      | N/A            | N/A         | N/A      | N/A    |  |
| Spectrophotometer (G30) with sub-part<br>Genesvs 30 Dosimeter Base Plate | N/A                                      | N/A            | N/A         | N/A      | N/A    |  |
| Assembly   | N/A                                      | N/A            | N/A         | N/A      | N/A    |  |
| Process ID: Troubleshooting Guide  | Section5: Troubles<br>First-time Configu | shooting Guide | rix Scanner | (Onlv if | GEX DC | Configuration is not preloaded on the scanner) |



|   |  | Bill of Material   |         |      |         |             |                          |  |  |  |
|---|--|--|---------|------|---------|-------------|--------------------------|--|--|--|
| Product P/N: P4450  | RAW MATERIAL<br>P/N  | SUPPLIER P/N   | GEX P/N | ITEM | QTY     | DESCRIPTION |                          |  |  |  |
| Product Description: Genesys 30<br>Spectrophotometer (G30) with sub-part<br>Genesys 30 Dosimeter Base Plate   |  |  |         |      |         |             |                          |  |  |  |
| Assembly  | N/A  | N/A  | N/A     | N/A  | N/A     | N/A         |                          |  |  |  |
| Process ID: Troubleshooting Guide   | Section5: Troubles<br>First-time Configu   | ection5: Troubleshooting Guide<br>irst-time Configuration of the Matrix Scanner (Only if GEX DC Configuration is not preloaded on the scanner) |         |      |         |             |                          |  |  |  |
| 8. Load the GEX DC Configuration to the scanner.          NOTE:       If the configuration changes for the scanner for unknown reason, (for example, if GEX DC is not set to startup as the default), the GEX DC configuration must be loaded for the scanner to operate correctly with DoseControl®. |  |  |         |      |         |             |                          |  |  |  |
| <ul> <li>8.1 Perform the following steps on a scanr configuration has been performed.</li> <li>8.1.1 Verify the scanner is attached in 8.1.2 Click the Open Device Configuration 8.1.3 Click the "Open Device Configuration". See Window 16).</li> </ul>  | her where the GEX D(<br>the "Getting Started"<br>tion button in the DL.<br>ation" button in the DI | C first time<br>Window.<br>CODE menu bar.<br>L.CODE menu ba  | r(      | e (  | Options | Device Help | Window16<br>তিন্ন আন্দ্র |  |  |  |



Release Date: 05/17/2024

|                                       |                    | -                               |             | Bill     | of Ma  | terial   |  |  |  |  |
|---------------------------------------|--------------------|---------------------------------|-------------|----------|--------|--|--|--|--|--|
|                                       | RAW MATERIAL       | RAW MATERIAL                    |             |          |        |  |  |  |  |  |
| Product P/N: P4450                    | P/N                | SUPPLIER P/N                    | GEX P/N     | ITEM     | QTY    | DESCRIPTION                                    |  |  |  |  |
| Product Description: Genesys 30       |                    |                                 |             |          |        |  |  |  |  |  |
| Spectrophotometer (G30) with sub-part |                    |                                 |             |          |        |  |  |  |  |  |
| Genesys 30 Dosimeter Base Plate       |                    |                                 |             |          |        |  |  |  |  |  |
| Assembly                              | N/A                | N/A                             | N/A         | N/A      | N/A    | N/A  |  |  |  |  |
|                                       | Section5: Troubles | Section5: Troubleshooting Guide |             |          |        |  |  |  |  |  |
| Process ID: Troubleshooting Guide     | First-time Configu | ration of the Mat               | rix Scanner | (Only if | GEX DC | Configuration is not preloaded on the scanner) |  |  |  |  |

8. Load the GEX DC Configuration to the scanner.

| File           | Options                         | Device                      | Help                                    |                               |                                    |               |             | W               | indow18     |                              |
|----------------|---------------------------------|-----------------------------|---|-------------------------------|------------------------------------|---------------|-------------|-----------------|-------------|------------------------------|
| €              | <b>ن</b> ©                      |                             | Q. Q.                                   |                               | i (1                               | 9E            |             | <b>\$DAT</b>    | ALO         |                              |
| Layout         | t <b>Type</b> : Alone           | ; Interna                   | I Network Role                          | e: Slave 0                    | ; Configurat                       | ion : [Temp]; | Status : Ha | alt; Reading Ph | Automat     |                              |
|                | Automat                         | ic Setup                    | 2                                       | Readi                         | ng Phase                           | 3             | Data F      | ormatting       | <u>Gain</u> |                              |
|                | Advance                         | d Setup                     |   | Good F                        | Read Setup                         |               | Outpu       | ut Setup        | Exposure 1  |                              |
|                |                                 |                             |   |                               |                                    |               |             | . 🔲             | St          | 8 1 8 Click the pause button |
| ⊿ Cod          | e Settings                      |                             |   |                               | 4                                  |               | Stop C      | ontinuous Mode  |             | (See Window 18).             |
| Þ              | Image Set                       | ttings                      |   |                               |                                    |               |             |                 |             |                              |
|                |                                 |                             |   |                               | 2                                  |               |             |                 |             |                              |
| 8.1.7 DI<br>Co | CODE will ope<br>ntinuous Mode, | n the Auton<br>and its stro | natic Setup wind<br>be will start to pu | ow for the at<br>Ilse (See Wi | tached scanner.<br>ndow 18 below). | The scanner   | will enter  |                 |             |                              |

|  |                     |              |              | Bill   | of Ma    | terial                        |  |  |
|--|---------------------|--------------|--------------|--------|----------|-------------------------------|--|--|
|  | RAW MATERIAL<br>P/N | SUPPLIER P/N | GEX P/N      | ITEM   | QTY      | DESCRIPTION                   |  |  |
| Product P/N: P4450   | N/A                 | N/A          | N/A          | N/A    | N/A      |                               |  |  |
| Product Description: Genesys 30  | N/A                 | N/A          | N/A          | N/A    | N/A      |                               |  |  |
| Spectrophotometer (G30) with sub-part<br>Genesys 30 Dosimeter Base Plate | N/A                 | N/A          | N/A          | N/A    | N/A      |                               |  |  |
| Assembly   | N/A                 | N/A          | N/A          | N/A    | N/A      |                               |  |  |
| Process ID: Adjust the GEX B3 Focus                                      |                     |              |              |        |          |                               |  |  |
| Dial Setting   |                     | Section      | 5: Adjusting | the Fo | cus Dial | Setting of the Matrix Scanner |  |  |

9. Adjusting the Focus Dial Setting of the Matrix Scanner.

9.1 Open DL.CODE and set up the Matrix 120 Scanner for DoseControl® .

- 9.2 Connect to the Matrix scanner and open the Automatic Setup screen and start the Continuous Mode with the scanner pulse functioning.
- 9.3 Insert a dosimeter sample with a barcode facing the scanner. The dosimeter barcode will appear in the Continuous Mode window.
- 9.4 Locate the focal adjustment dial on Matrix 120 (See Window 19 below).

9.5 Adjust the scanner dial settings for Genesys 30 using a 2.5mm hex driver to adjust the focus dial as given below (Step Windows 19 – 23).

9.6 **Genesys 30 Focus Setting:** Turn the dial setting anti-clockwise (Left) as far as possible. A good scan is achieved when the green highlight appears around the barcode (See Window 20 below).







100-132-1 Rev. G

|   |              |               |              | Bi       | ll of N   | laterial                             |
|---|--------------|---------------|--------------|----------|-----------|--------------------------------------|
|   | RAW MATERIAL | SUPPLIER      |              |          |           |                                      |
|   | P/N          | P/N           | GEX P/N      | ITEM     | QTY       | DESCRIPTION                          |
| Product P/N: P4450  | N/A          | N/A           | N/A          | N/A      | N/A       |                                      |
| Product Description: Genesys 30   | N/A          | N/A           | N/A          | N/A      | N/A       |                                      |
| Spectrophotometer (G30) with sub-part<br>Genesys 30 Dosimeter Base Plate    | N/A          | N/A           | N/A          | N/A      | N/A       |                                      |
| Assembly  | N/A          | N/A           | N/A          | N/A      | N/A       |                                      |
| Process ID: Adjust the GEX 30 Gain and<br>Exposure Time Setup Configuration |              | Section 5: Ac | ljusting Gei | nesys 30 | 0 Gain ai | nd Exposure Time Setup Configuration |

10.

# DIAGRAM#1 - GENESYS 30 Gain and Exposure Time Setup Configuration



|  |                     |   |         | Bill | of Ma | terial                       |  |  |
|--|---------------------|---|---------|------|-------|------------------------------|--|--|
|  | RAW MATERIAL<br>P/N | SUPPLIER P/N  | GEX P/N | ITEM | QTY   | DESCRIPTION                  |  |  |
| Product P/N: P4450   | rP4402              | 840-278200  | P4402   | 1    | 1     | Genesys 30 Lid with Cableway |  |  |
| Product Description: Genesys 30  | N/A                 | N/A   | N/A     | N/A  | N/A   |                              |  |  |
| Spectrophotometer (G30) with sub-part<br>Genesys 30 Dosimeter Base Plate | N/A                 | N/A   | N/A     | N/A  | N/A   |                              |  |  |
| Assembly   | N/A                 | N/A   | N/A     | N/A  | N/A   |                              |  |  |
| Process ID: Section 6: Product   | N/A                 | N/A   | N/A     | N/A  | N/A   |                              |  |  |
| GEN30 New Cut Out Lid  |                     | SECTION 6: GEN30 Cableway Lid with new cut out and Installation |         |      |       |                              |  |  |

**NOTE:** Customers ordering the new matrix mount baseplate will need to convert to the new Spectrophotometer lid with the cut out to accommodate the cable. Discard the old lid upon receiving the new lid.



Specs: Compartment lid for GENESYS 30 Spectrophotometer with cableway accessory

Packaging Dimensions: 11.75" x 9.00" x 5.75" (L x W x H)



#### 11. GUARANTEE

11.1 Guarantee: 1 year satisfaction guarantee. Undamaged products may be returned within one year from the date of delivery for any customer dissatisfaction.

#### 12. CAUTIONS

As part of the DoseControl® dosimetry system, the Matrix scanner feature is appropriate for 1 dosimeter/pouch (1 absorbance count) applications ONLY. Applications using 2 dosimeters/pouch (2 absorbance count) or 4 dosimeters/pouch (4 absorbance count) must use a different solution to capture the dosimeter ID or dosimeter barcode such as a hand-held scanner or manual entry.

#### 13. REFERENCES

Download from the GEX website document library: <u>https://library.gexcorp.com/</u>

GEX Doc#100-167, P4400 GENESYS 30 Spectrophotometer

GEX Doc#100-168, Genesys 30 Dosimeter Holder System

GEX Doc#100-278, Matrix 120 Integrated Barcode Scanner IQOQ Procedure

## 14. REVISION HISTORY

| DATE       | CHANGE DESCRIPTION  | REVISION |
|------------|---|----------|
| 11/15/2023 | - Added to Application section: The Matrix scanner feature is appropriate for 1 dosimeter/pouch (1 absorbance count) applications.<br>- Added new Cautions section to include the above information.<br>ECO 70651   | E        |
| 03/28/2024 | - Rephrased Step 4 to include "Install the Matrix scanner on the scanner mount with the Matrix cord facing up".<br>- Rephrased Step 5 to include "Attach the mount to the EVO baseplate and install a DoseStix dosimeter holder".<br>ECO 70668  | F        |
| 5/16/2024  | <ul> <li>Rewrite the entire PSU. Added Six (6) Sections: Product Specifications and Description; GEX B3 120 Matrix Scanner and Mount<br/>Installation; Installation of GEN30 Baseplate into the GEN30 Sample Compartment; Software Installation; Trouble Shooting<br/>instructions for the Focus Dial Setting and Gian and Exposure Time Setup Configuration for the GEN30 and GEN30 Cableway Lid<br/>with new cut out.</li> <li>ECO 75000</li> </ul> | G        |

# APPROVED

By Dominique Taylor at 9:29 am, May 17, 2024

To learn more about GEX products and services, visit www.gexcorp.com or contact a GEX representative at +1 303 400-9640.