

APPROVED

By Dominique Taylor at 9:30 am, Feb 25, 2026

Product Description

The Dosimeter Holder Apparatus fits into the sample compartment of the spectrophotometer, protecting against stray light interference and holds the dosimeter in proper alignment during measurement.

Intended Use

For use with the Thermo Evolution Spectrophotometer (Figure 4), as part of the GEX DoseControl® dosimetry system, sold separately. The Matrix Scanner automatically reads the dosimeter ID during measurement as part of the DoseControl® Dosimetry System. The cuvette holder fits a Thermo Spectronic Standard. The GEX B3 dosimeter holder fits GEX B3 dosimeters. See Figure 1.

Instructions

Step 1: Set up the Matrix scanner for use (if included)

GEX pre-configures the scanner to work with DoseControl®, which is saved on the device.

- The user must install Datalogic DL.CODE software and Matrix USB driver on the computer to allow the scanner to work with DoseControl®.
- Obtain Datalogic DL.CODE installer from GEX or download from Datalogic website.
- Run installer.
- Check the USB Driver box and click Install. (You must install USB driver).
- Accept the License Agreement and continue. Accept installation defaults for the Destination Folder, then click Install.
- Complete installation.

Step 2: Install the Dosimeter Holder Apparatus in the Spectrophotometer

- Attach the Baseplate Assembly to the Thermo Fisher mount with the mount's screw.
- Angle the Apparatus to insert it into the sample compartment of the Evolution Spectrometer. Align with the retaining pins along the sides of the sample compartment and push down against the front retaining pin until it snaps into place. Ensure the beam tubes fit flush against the walls. The Apparatus should appear as seen in Figure 2.

Step 3: Route Scanner Cable and connect the Scanner to the Computer

- Route the scanner cable under the Apparatus and to the front of the sample compartment through the flexible foam opening, as shown in Figure 2.
- Plug USB cable into the computer.
- The scanner will automatically power on when plugged into the USB port of the computer. Wait approximately 30 seconds for Matrix scanner to fully power on (blue steady light) and fully initialize (steady green light). For more details, see Datalogic Matrix 120 User Manual - download from Datalogic website <https://www.datalogic.com/>

Step 4: Insert and use the dosimeter holders

- Insert dosimeter holder by hand. No tools needed. See Figure 3.
- All dosimeter holders are keyed and only inserted into the baseplate in one orientation. Ensure proper orientation and snap the holder gently into place by hand.
- The GEX B3 dosimeter inserts directly into the GEX B3 Holder, as shown in Figure 4.
- When swapping out holders use two hands, with one putting downward pressure on the apparatus plate while the other removes the nested holder by pulling the back of the holder out first and then the front.

The Dosimeter Holder Apparatus is now ready for set up and use with the Evolution spectrophotometer, and with the Evolution-DoseControl® Dosimetry System.

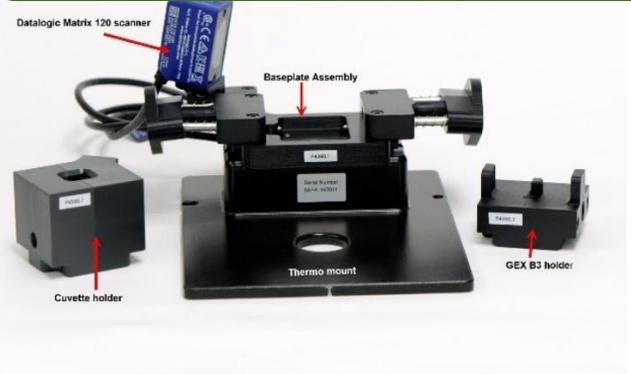


Figure 1

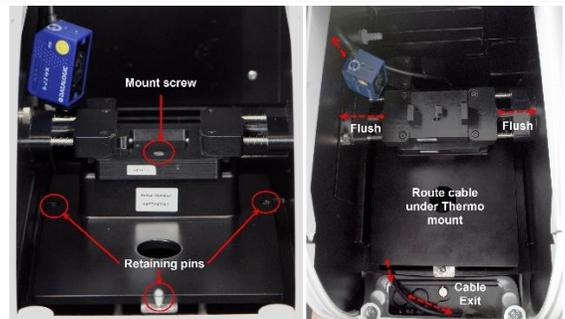


Figure 2



Figure 3



Figure 4

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