

## Product

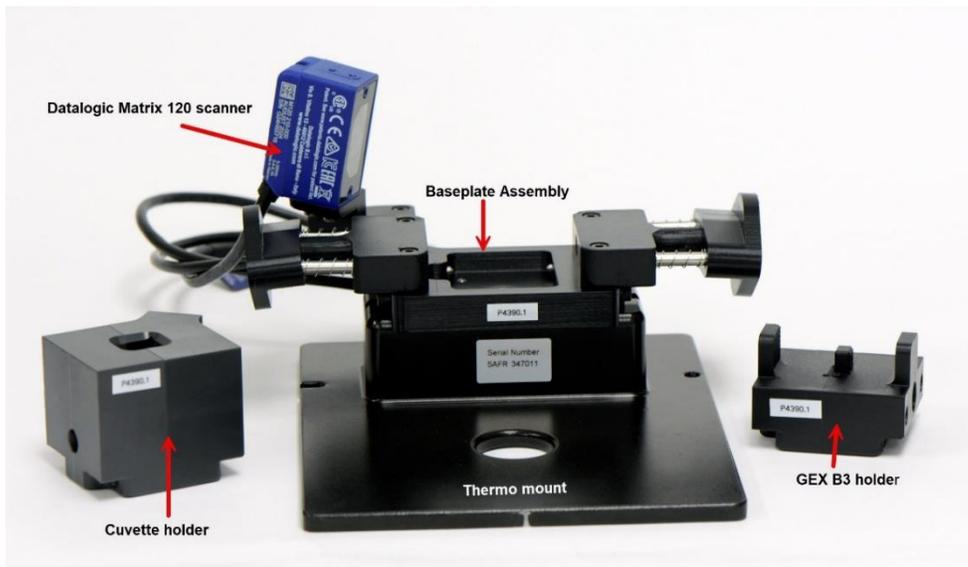
GEX PRODUCT ID	PRODUCT NAME
P4390	<i>Dosimeter Holders Apparatus for Evolution One Plus Spectrophotometer</i>
P4390-X	<i>Dosimeter Holders Apparatus for Evolution One Plus Spectrophotometer without Matrix Scanner</i>

### Components:

COMPONENTS	MATERIALS	WEIGHT
Baseplate Assembly	PETG	0.5 kg (1.0 lbs.)
GEX Dosimeter Holder	PETG	0.2 kg (0.5 lb.)
Cuvette Holder	PETG	0.2 kg (0.5 lb.)
Datalogic Matrix 120 Scanner	Cast aluminum housing	0.4 kg (0.8 lb.)



GEX may pre-install the Apparatus on the Thermo Evolution mount, as shown.



## Product Description

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

## Intended use

For use with the Thermo Evolution Spectrophotometer to measure dosimeter optical absorbance. The Matrix Scanner automatically reads the dosimeter ID during measurement as part of the DoseControl® Dosimetry System.

## Product Requirements

- **Software:** Requires a Datalogic Matrix Scanner USB driver for connection to the DoseControl dosimetry system. Datalogic DL.CODE software, including USB driver, is recommended for scanner testing and maintenance.



# P4390 Dosimeter Holders Apparatus for Evolution One Plus Spectrophotometer

- **Hardware:** A PC with Windows 11 OS or higher is needed, connected to the spectrophotometer and scanner via a USB interface cable.
- **Configuration:** The Matrix 120 scanner is pre-configured by GEX to communicate with DoseControl software. See Product Instructions sheet for more information.

## Maintenance

The P4390 Assembly must be cleaned as part of a preventive maintenance program at a frequency dependent on the level of cleanliness of your site. Any accumulated particulate can be removed using compressed air, and any smudges on the lens of the scanner may be removed with a clean, soft wipe.

## Certification/Warranty

- Each Apparatus comes with a Factory Acceptance Test certificate.
- Warranty policy – Download product sales [Terms & Conditions](#) from the GEX website for warranty information.

## Calibration/Qualification

Calibration	<i>Not required.</i>
Qualification	<i>The customer must determine if this product requires qualification prior to use, based on internal process requirements.</i>

GEX provides guidance for product qualification. Download documents from <https://library.gexcorp.com>

- Spectrophotometer Measurement Repeatability Procedure - Procedure for testing dosimeter measurement repeatability using a spectrophotometer and GEX dosimeter holder system. GEX Doc. No. 100-273. (Use with Form 100-272)
- Evolution Spectrophotometer Performance Verification Procedure – GEX Doc. No. 100-271. (For use with Evo Performance Verification Test Form Doc #100-269)
- Integrated Barcode Scanner IQOQ Procedure – GEX Doc. No. 100-278. (Use Form Doc. #100-279)

## Cautions/Safety

- **Do not interchange dosimeter holders.** Each dosimeter holder is serialized with the Apparatus. Users must independently validate holders within their processes if using dosimeter holders with different serial numbers.
- Use only GEX dosimeter holder apparatus with the DoseControl dosimetry system. GEX does not support other holders or cuvettes not manufactured by GEX.
- Avoid dropping or physically damaging the product. In this event, the user must verify performance.

## Shipping/Delivery

Country of origin	U.S.A.
Temperature controls or monitoring required?	<i>None required.</i>

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**APPROVED**

**By Dominique Taylor at 9:34 am, Feb 25, 2026**