UV COLOR DOSIMETER

product information

Thank you very much for your purchase of our product. Please read this document well before using.

1. Features

UV COLOR DOSIMETER is a single-use indicator that irreversibly changes its color from white to various shades via ultraviolet light irradiation. Two types of products are available depending on the sensitivity range required.

- Irreversible, single-use
- Self-adhesive and easy to apply on various location.
  (The back side adhesive material)

2. Design

Product Design	Package Design
Before color change → UV light → After color change 18mm S Type	

3. Product line up and color sample

PN	Irradiance Level (mJ/cm)						JAN Code
S Ultrahigh sensitivity	0	5	15	50	100	250	4582130422823
H High sensitivity	0	50	250	500	1000	2000	4582130422830

* Color tone and irradiance level shown above are based on factory tests conducted by using mercury lamp.
The color tone and radiation reading may differ according to radiation conditions.

4. Package quantity

100 pc / package

5. Usage

- UV COLOR DOSIMETER yields approximate quantitative information; it is used primarily as a qualitative indication of dose by color range change from UV-C 254nm exposure.
- The coloring density change depends on multiple factors. For Diversey MoonBeam™3, the results based on radiation intensity and UV-C 254nm wavelength will be consistent if the conditions are the same each time.

RoHS Compliance | IRREVERSIBLE

Daylight® medical

- When used with other UV-C devices, the results will vary pending conditions and emission of the machine and may not be directly comparable. Color change per mJ/m2 for other devices should be calibrated with a Digital Dosimeter to establish the relationship of color to energy and dose. Not all UV-C emitters are the same; and the degree of UV-C 254nm emission versus other frequency UV varies greatly.
- Initially you must: (A) establish the reference color, (B) with a specific cycle, (C) per the lamp type.
- As long as the (B) and (C) are same, the result should be (A).
- To avoid slight differences in color response between lot, it is recommended to confirm the color intensity for comparison purposes.

6. Storage

- Store unused products in the black light blocking film which comes with the product. Avoid any irradiation before use.
- Interior lamp and lighting can cause color change.
- Avoid high temperature and excessive humidity. Store in room temperature.
- Colors may fade if the color change is insufficient or if stored in a hot environment after the color change.

7. Precautions

- For UV-S and UV-H types, colors may fade if the exposure level is low or if stored in hot environment after color change.
- Store always in black light blocking film which comes with product. Avoid any irradiation before use.
- Remove water, oil, rust and dust from the surface before applying labels. Contamination and uneven surfaces can cause labels to not adhere and can contribute to an abnormal color gradient.
- Remove release film and apply where temperature monitoring is required and press the surface of label gently with finger or cloth. Strong rubbing might damage the label and affect performance (abnormal color change).
- Apply labels on flat surface. Labels are not designed to apply on curved and corner surface.

8. Information on the toxic substance in the raw material

UV COLOR DOSIMETER contains no toxic substance according GHS classification.

9. Directive of RoHS

UV COLOR DOSIMETER doesn't contain chemical substances prohibited in the RoHS directive.

10. Hazards identification

Immediate health, physical, and environmental hazards: The environmental properties of this product present a low environmental hazard. This product, when used under reasonable conditions and in accordance with the directions, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

11. Disclaimer

The information in this sheet is believed to be correct as of the date of issue. Daylight Medical makes no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade. The user is responsible for determining whether this product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of this product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate this product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

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