

Liquid Lightguide Cleaning Instructions

Liquid lightguides need cleaning periodically to remove foreign material and deposition caused by outgassing. Cleaning ensures that maximum UV light transmission is achieved. Foreign materials and deposits may not be visible when the lightguide end is inspected, so the best way to determine lightguide degradation is by comparing the readings taken with a lightguide simulator (Figure 1) and comparing those readings with UV readings taken at the end of the lightguide (Figure 2). If UV readings taken at the end of the lightguide are less than 80% of the values from a lightguide simulator, the lightguide may require cleaning.



Figure 1. Take initial intensity reading with lightguide simulator

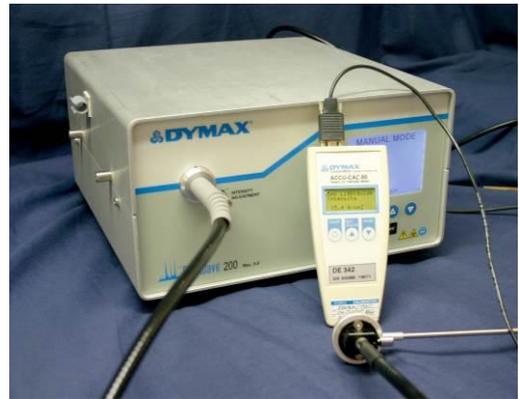


Figure 2. Take initial intensity reading at the end of lightguide

If the lightguide end needs cleaning, attempt to clean it using a tissue and solvent (Figure 3). The recommended cleaning agent is isopropyl alcohol. If the contamination is not removable with solvent, clean the surface with a razor blade (Figure 4). Plastic or metal razor blades can be used. Take care not to chip the edge of the quartz glass window.



Figure 3. Clean the lightguide end with a tissue and solvent



Figure 4. For contamination not removable with solvent, clean the lightguide end with a plastic or metal razor blade

Once the lightguide is clean, obtain a UV reading at the end of the lightguide. A satisfactory UV reading indicates that the cleaning was successful. If sufficient improvement isn't obtained, ensure that the lightguide is fully seated and repeat measurement. If issue persists, the lightguide may need to be replaced.

© 2015 Dymax Corporation. All rights reserved. All trademarks in this guide, except where noted, are the property of, or used under license by Dymax Corporation, U.S.A.

Please note that most dispensing and curing system applications are unique. Dymax does not warrant the fitness of the product for the intended application. Any warranty applicable to the product, its application and use is strictly limited to that contained in Dymax's standard Conditions of Sale. Dymax recommends that any intended application be evaluated and tested by the user to insure that desired performance criteria are satisfied. Dymax is willing to assist users in their performance testing and evaluation by offering equipment trial rental and leasing programs to assist in such testing and evaluations. Data sheets are available for valve controllers or pressure pots upon request. INST001 7/30/2015

Dymax Corporation
860.482.1010 | info@dymax.com | www.dymax.com

Dymax Europe GmbH
+49 (0) 611.962.7900 | info_de@dymax.com | www.dymax.de

Dymax Engineering Adhesives Ireland Ltd.
+353.1.231.4696 | info_ie@dymax.com | www.dymax.ie

Dymax Oligomers & Coatings
860.626.7006 | info_oc@dymax.com | www.dymax-oc.com

Dymax UV Adhesives & Equipment (Shanghai) Co. Ltd.
+86.21.37285759 | dymaxasia@dymax.com | www.dymax.com.cn

Dymax UV Adhesives & Equipment (Shenzhen) Co. Ltd.
+86.755.83485759 | dymaxasia@dymax.com | www.dymax.com.cn

Dymax Asia (H.K.) Limited
+852.2460.7038 | dymaxasia@dymax.com | www.dymax.com.cn

Dymax Asia Pacific Pte. Ltd.
+65.6752.2887 | info_ap@dymax.com | www.dymax-ap.com

Dymax Korea LLC
+82.2.784.3434 | info_kr@dymax.com | www.dymax.com.kr