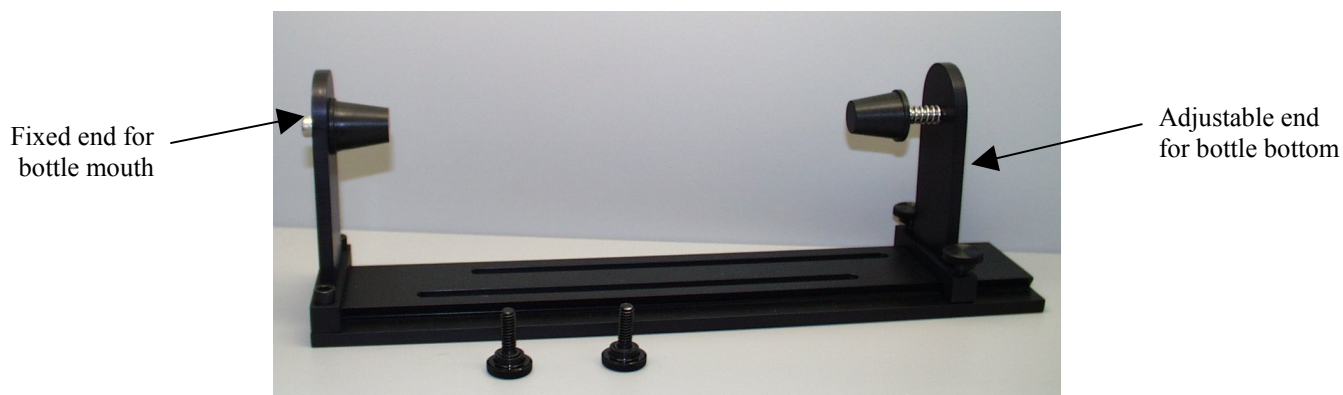


Addendum to ColorQuest XE, ColorQuest XT, UltraScan XE, UltraScan PRO, and UltraScan VIS User's Manuals

Description

CMR 2582 provides a holder for transmission measurements of blown bottles using the ColorQuest XE, ColorQuest XT, UltraScan XE, UltraScan PRO, or UltraScan VIS. The holder is adjustable so that multiple bottle sizes may be measured.



Installation

Install the bottle holder as follows:

1. Place the bottle holder in the transmission compartment, aligned so that the open slits in the holder cover the rows of holes in the floor of the transmission compartment. The holder may be installed in either orientation, i.e., with the fixed end to your left or to your right.



2. Screw the two loose thumbscrews provided through the holder into holes in the transmission compartment floor. It is not important which holes are used, but it is suggested that one screw be inserted through each holder slit. Screw them down tightly so that the holder does not move or jiggle in any direction.



Operation

Follow the instructions below to install and measure your bottle samples.

1. Before measuring samples, standardize the instrument in RTRAN mode with the large area of view and 1.00" (25.4 mm) port size.
2. Insert the mouth of the bottle to be measured over the rubber stopper at the fixed end of the holder.



3. Loosen the thumbscrews on the adjustable end of the holder and slide the end along its track until it is flush against the bottom of the bottle. This end is spring-loaded, so you may want to press it hard against the bottle. When the end is in the position you want, tighten the thumbscrews to hold it securely. You may wish to mark this position with a pencil if you will measure this bottle size often. Your goal is to measure the flattest, clearest area of the bottle possible (as opposed to any ridges or flared areas). If you must remove the thumbscrews securing the holder and reposition it in the transmission compartment, do so.





4. Close the transmission compartment as far as it will go and measure the bottle. For best results, it is recommended that you measure each bottle three times and average the three measurements for your final result. Rotate the bottle 120° about its central axis between measurements.
5. To measure another bottle, press the bottom of the bottle that is already installed against the spring-loaded end to free the mouth, remove the bottle, and replace with another one.