

## Sample Holder, Semi-Micro Port Plate with (D02-1012-313, D02-1012-931)

**Instruments:** ColorQuest XE, UltraScan PRO (D02-1012-931), UltraScan VIS

**Purpose:** The Semi-Micro Port Plate with Powder Holder provides a holder, plunger and special port plate that allow the measurement of small quantities (approximately 0.4 cc) of packed powder. Requires MAV - Medium Area of View instrument option on USPRO. Also includes an extra A02-1011-145 SAV Port Plate to standardize with an open port in MAV mode. Then the D02-1012-931 USPRO Semi-Micro Powder Holder replaces this SAV Port Plate to measure small quantities of powder. Replacement optical glass windows for the holder assembly can be ordered as A04-1012-026 Optical Window, 17mm Dia. X 1.5mm Thick

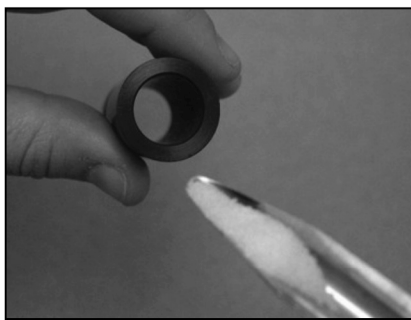
### Installation:

1. Install the small area view port plate and standardize the in a reflectance mode for the 0.375-inch (9.575 mm) area view.
2. Replace the standard port plate with the modified port plate.



### Sample Measurement:

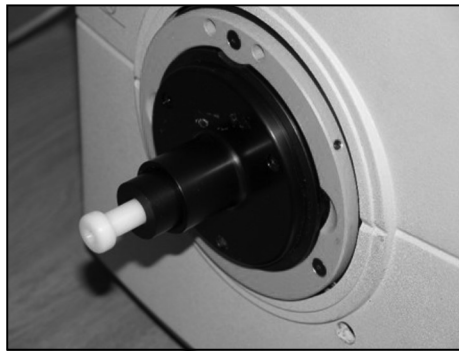
1. Place the powder to be read into the powder holder.



2. Pack the powder down using the plunger. Do not overtighten the powder holder. The powder should be at least 1/2-cm deep in the holder.



3. Place the powder holder into the port plate and measure the sample.



**Note:** *The powder holder should be used ONLY for color difference measurements.*

4. Between measurements, remove the powder holder, unscrew the top, and clean the glass. The glass insert may be removed from the powder holder for cleaning or replacement. Replacement inserts may be purchased from HunterLab. No adhesive is required.

