INSTRUCTIONS

Bel-Art
SP SCIENCEWARE™

DIRECTIONS FOR USING THE KLETT™ SUMMERSON TEST KIT

Catalog No. T37012-1020 & T37013-1015

This test kit is comprised of one special test filter and three calibrated glass standards, which will not fade. Be sure to keep the test standards clean at all times, as fingerprints will affect readings.

By following these simple instructions you will always know when your Klett™ Summerson Colorimeter is working properly. **NOTE:** *For Industrial Model # 900-3, you must also use adapter # 37013-0041 (Included with kit # 37013-1015 only)*

1. Slide the special test filter into the filter holder and put it into the Colorimeter.
2. Turn off the galvanometer switch (located on right side of instrument), turn on instrument light switch, and allow machine to warm up for approximately 15 minutes.
3. Adjust mechanical zero of galvanometer (black knob on top of galvanometer) so that pointer of galvanometer matches line on galvanometer window.
4. Insert the standard marked "ZERO" into the instrument with the numbered label and the circular mark on the black handle facing you. Turn on the galvanometer.
5. Adjust shutter control (on the top left of the instrument) so that the pointer on the galvanometer again matches the line on the galvanometer window.
6. Remove the "ZERO" standard and insert the standard marked "ONE". Take a reading and record.
7. Remove the standard marked "ONE" and insert the standard marked "TWO". Take a reading and record.

If the instrument is working properly, the difference between standards "ONE" and "TWO" should be 100 Klett units +/- one Klett unit. If the difference is not within this range, please contact Bel-Art Products Technical Support at 973-694-0500 x4269

For example: Standard "ZERO" is used to zero the instrument in the usual manner using the special test filter.
Standard "ONE" reading: 115 Klett Units
Standard "TWO" reading: 215 +/- 1 Klett Units
Difference is 100 Klett Units and indicates that the colorimeter is working properly.

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