

Non-Contact Instrument Stands and Accessories



MetaVue Non-Contact Instrument Stand (P/N VS3-802)

This stand is used in conjunction with the X-Rite MetaVue spectrophotometer and the standard and custom holder accessories for the non-contact measurement of wet, powdered and paste materials that may be transparent, translucent, or opaque. All holder accessories are interchangeable with the VS450 Non-Contact Instrument Stand.



VS450 Non-Contact Instrument Stand (P/N VS450-802)

This stand is used in conjunction with the X-Rite VS450 spectrophotometer and the standard and custom holder accessories for the non-contact measurement of wet, powdered and paste materials that may be transparent, translucent, or opaque.



MA9x Non-Contact Instrument Stand (P/N MA9X-800)

This stand is used in conjunction with the X-Rite MA9x series of multi-angle spectrophotometers and the standard and custom holder accessories, for the non-contact measurement of **opaque** materials containing effect pigments which vary in color at different angles.



NOTE: This stand allows X-Rite MA9x contact-based instruments to be used in a non-contact scenario. The proper use of this stand and its related sample presentation kits will greatly diminish the errors induced by depth variation when making non-contact measurements. However, while use of this stand with good sample preparation technique can provide very useful relative multi-angle data with good repeatability, the absolute accuracy and color performance of the published MA9x literature must not be expected.

Spoon Kit (P/N FXT-800-002-BK)

This accessory includes a large spoon holder, small spoon holder, 2.5 ml black *Delrin® spoon, and 20 ml black *Delrin® spoon. This kit is used for the non-contact measurement of powder, paste and liquid materials utilizing the VS3200, VS450 and MA9X Non-Contact Instrument Stand.



NOTE: This kit should **not** be used with the MA9x for measurement of **transparent or translucent** materials.

Petri Dish Holder (P/N FXT-800-003-BK, P/N FXT-800-003 WT)

This accessory includes a Petri dish holder that will accommodate a standard 60 mm x 15 mm Petri dish (Petri dish not included). This kit is used for the non contact measurement of translucent and transparent materials utilizing the VS3200/VS450 Non-Contact Instrument Stand.



Specifications:

(FXT-800-003-BK) Black ceramic: 0.00% - 1.2% reflectance at 400-700 nm, high gloss >70%, smooth finish

(FXT-800-003-WT) White ceramic: Reflectivity (at 20 nm intervals): 400 ≥ 67%; 420 nm ≥ 75%; 440-700 = 85% ± 3%, 70% gloss ± 10% at 20°, ±0.5% uniformity

NOTE: Not all standard 60 mm x 15 mm Petri dishes have the same dimensions. Petri dish **must be 15 mm (0.650") in height** and no larger than 60.32 mm (2.369") in diameter.

NOTE: This holder is not intended to be used with the MA9x.

Custom Sample Holder (P/N FXT-800-001)

This accessory is custom made to your specifications for use with the VS3200, VS450 or MA9x Non-Contact Instrument Stand.



Leveler (P/N FXT-800-004)

This accessory is used to achieve a smooth and uniform surface of the material in the spoons, Petri dishes, and custom holders where necessary.



Operation

MetaVue Stand

1. Position the instrument onto the MetaVue stand so that the four bottom pads fit into the four recessed areas on the top of the stand. The two small pins on the top of the stand help align the instrument. Tighten the optional thumb screws on the bottom of the stand to secure the instrument to the stand.
2. Slide the appropriate holder (same holders used for the VS450 stand) in the channels in the front of the stand until it comes to a stop. See below for details on each holder.



VS450 Stand

1. Seat the instrument onto the holding pins in the VS450 stand. The pins align with the holes at the bottom back right and bottom front left of the feet.
2. Slide the appropriate holder in the channels in the front of the stand until it comes to a stop. See below for details on each holder.



MA9X Stand

1. Position the instrument's measurement port into the opening in the stand as shown.
2. Slide the appropriate holder in the channels in the front of the stand until it comes to a stop. See below for details on each holder.



Spoon Holder

Add the appropriate amount of opaque material to the large or small spoon. Use the leveler at an angle away from you to smooth the material to the surface of the spoon. Insert the spoon into the large spoon holder and then into the instrument stand.



NOTE: If you are using the small spoon, you first need to insert the spoon into the small spoon holder before placing it into the large spoon holder.

Petri Dish Holder

Insert the Petri dish into the holder and add the appropriate amount of transparent or translucent material to the Petri dish. Use the leveler at an angle away from you and smooth the material to the surface of the dish if required. Insert the holder into the instrument stand.



NOTE: Do not measure transparent or translucent materials using the MA9X instrument.

Custom Sample Holder

Place the sample into the custom sample holder. Insert the custom holder into the instrument stand.



Cleaning

The instrument stands, Petri dishes, and spoons can be cleaned with a cloth dampened in water or mild cleaner whenever required. If necessary, the spoons can also be cleaned using a solvent. The ceramic tiles should be cleaned with soap and water, or a non-residue leaving glass cleaner, using a soft cloth. Take care not to abrade or scratch the ceramic surface.

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