

Reflectance Probes for UV-VIS-NIR



- **190-2200nm Spectral Range-** effective for color of solids and NIR composition analysis
 - **The RS50** is a 50mm diameter white reflectance standard made of Halon. It is used to take reference measurements using the R600-8 Reflectance Probe. The white standard will reflect >97% of the light from 300-2300nm.
 - **Simple to use Design-** easy to attach light source and spectrometer via integrated 600um fiber optic cable
 - **Consistent Measurements-** using the RPH2 reflectance probe holder, users can get reproducible results time after time.
- **The R600-8 Reflectance Probe** has 7 400µm illuminating fibers around 1 600µm collection fiber. As an option, the 2R probe has 5 illuminating fibers and 2 read fibers. All fibers are 400µm.
 - **Increased sensitivity with R600-Max** using a 6 around 1 design and increasing the fiber diameter to 600 micron. This allows up to **3-4x** the signal gain.
 - **The RPH2 Reflectance Probe Holder** sets the probe at a 45 or 90 degree angle and a set distance from the sample.
 - **Typical applications** include color CIELAB measurements of solid samples configured for diffuse reflectance using the RPH2.
 - **Specular measurements** can be taken using the RPH2 and RPH3 probe holders which holds the probe at a 90° angle, with a locking set screw to maintain constant distance.



Fiber Optic Probe Accessories

Item	Description	Price
R600-8-UVVIS-SR	Reflectance Probe for UV & Visible; 7 400µm around 1 600µm	\$650
R600-8-VisNIR	Reflectance Probe for Visible & NIR; 7 400µm around 1 600µm	\$650
RPH2	Reflectance Probe Holder block for 45/90° angle measurements	\$185
RPH3	Reflectance Probe Holder stand for 90° angle measurements	\$295
RTIP45	45° angled tip for Reflectance probes; includes locking screw for positioning	\$135
RTIP-Lens	Lens tip with focus to <1mm for the R600-8-UVVIS-SR reflectance probe	\$200
R600-Max	Upgrades R600-8-VisNIR to 6 600um collectors for 3-4x signal gain	\$850
R400-7-2R-VIS	Armored 400um reflectance probe, 2 read fibers and 5 illuminating	\$950
RS50	White Reflectance Standard	\$280

Specifications

Weight	0.22 pounds (100g)	Probe Tip Material	Stainless Steel
Size (Probe)	3.5" length 0.25" O.D.	Number of Fibers	6:1, 7:1, or 2 read fibers
Spectral range	190 – 2200nm	Connector	2 x SMA 905