

Reflectance Probes for UV-VIS-NIR



- **The Reflectance Probe** has 6 illuminating fibers and 1 read fiber bundled together using 400 micron fibers. As an option, the 2R probe has 5 illuminating fibers and 2 read fibers. All fibers are 400µm.
- **Increased sensitivity** using a 7 around 1 design and increasing the fiber diameter to 600 micron. This allows up to **3x** the signal gain than the 6:1 probe.
- **The RPH1 Reflectance Probe Holder** sets the probe at a 45 degree angle and a set distance from the sample.
- **Typical applications** include color CIELAB measurements of solid samples configured for diffuse reflectance using the RPH1.
- **Specular measurements** can be taken using the RPH2 and RPH3 probe holders which holds the probe at a 90° angel, with a locking set screw to maintain constant distance.
- **190 nm-2200nm Spectral Range**- effective for color of solids and reflectance measurements
- **The RS50** is a 50mm diameter white reflectance standard made of Halon. It is used to take reference measurements using the R400 Reflectance Probe. The white standard will reflect >97% of the light from 300-1700nm.
- **Simple to use Design**- easy to attach light source and spectrometer via integrated 400um fiber optic cable
- **Consistent Measurements**- using the RPH1 reflectance probe holder, users can get reproducible results time after time.



Fiber Optic Probe Accessories

Item	Description
R400-7-UVVIS	Reflectance Probe for UV and Visible; 6 around 1 with 400µm fibers
R400-7-VISNIR	Reflectance Probe for Visible and Near IR; 6 around 1 with 400µm fibers
R600-8-UVVIS-SR	Reflectance Probe for UV and Visible; 7 around 1 with 600µm fibers
R600-8-VisNIR	Reflectance Probe for Visible and Near IR; 7 around 1 with 600µm fibers
RPH1	Reflectance Probe Holder block for 45° angle measurements
RPH2	Reflectance Probe Holder block for 90° angle measurements
RPH3	Reflectance Probe Holder stand for 90° angle measurements
RS50	White Reflectance Standard
RTIP45	45° angled tip for Reflectance probes; includes locking screw for positioning

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