

Reflection Probe Holders



RPH-1 Reflection Probe Holder

The RPH-1 is to be used with our standard reflection probes, which are 6.5 mm in diameter. The holder enables positioning of the probe tip in two angles: 45 degrees for diffuse reflection measurements and 90 degrees (normal to sample) for specular

reflection. This assembly is mostly used to facilitate color measurements.

A setscrew is included to mount the probe into position. The RPH-1 is a small device, measuring only 60 by 30 by 30 millimeters. It's made of black anodized aluminum.



AFH-15 Angled Fiber Holder

To do an angled measurement with a small 1.5 mm reflection probe or 1.5 mm stainless steel ferrule terminated fibers, the AFH-15 is the ideal accessory. Offering angles including 15°, 30°, 45°, 60°, 75° and 90°, reflection measurements with differing incident and collection angle can be easily

made with multiple, separate fibers for illumination and detection.

All 11 holes have a diameter of 1.6 mm and are equipped with a setscrew to mount the probes or fibers into position. The AFH-15 is made of black anodized aluminum.



AFH-Ocular

Measurements on a small spot (less than 0.5 mm) can be challenging but the AFH-Ocular makes the job easier. The ocular enables visual location of the measurement spot on your sample. The holder is used in conjunction with our miniaturized reflection probe (FCR-7UV100-2-1x25) which

has 7 x 100 μm fibers in a 6 around 1 configuration and the tip is 1 mm in diameter x 25 mm long.

Please note that a black cover over the ocular (not included) should be used during measuring to prevent ambient light from reaching the measurement spot.

Ordering Information

RPH-1	• Reflection probe holder for 45/90 degree mounting of 6.5 mm reflection probes
AFH-15	• Angled fiber probe holder for measuring under different angles, needs 1.5 mm ferrule terminated fibers.
FC-UV200-2-1.5x40	• Fiber cable, 200 μm UV/VIS fiber, 2 m long, one end with SMA connector, other end with stainless steel ferrule, OD=1.5 mm x 40 mm length.
AFH-Ocular	• Angled fiber probe holder for precise measurements under 45 degrees incl. Ocular
FCR-7UV100-2-1x25	• Reflection probe with 7x100 μm UV/VIS fibers to 1x25 mm stainless steel ferrule, 2 meter long with PVC/Kevlar protection sleeve and 2 SMA connectors

Three years
limited warranty on all
Avantes spectrometers,
light sources and accessories