

REFLECTION PROBE

FIBER OPTICS

Operation and Installation Manual



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1. Reflection probe holder Operating Manual

1.1 Parts included

1. Reflection probe holder RPH-1
2. Allyn key 1.5 mm
3. The Reflection probe holder Operating manual

The Reflection probe holder is to fix a FCR standard reflection probe under an angle of 90 or 45 degrees, the holes have a 6,5 mm diameter and contain a setscrew to fix the probe in its position. The RPH measures 60 x 30 x 30 mm.

The reflection probe holder was developed for 2 types of reflection, specular and diffuse:

1. Specular reflection: Put the probe in the 90° aperture, adjust the distance from the measurement surface and tighten the setscrew with the 1.5 mm Allyn Wrench. Connect the 6-fiber leg to the light source and the read fiber to the spectrometer.
2. Diffuse reflection (for color measurements): Put the probe in the 45° aperture, adjust the distance from the measurement surface and tighten the setscrew with the 1.5 mm Allyn Wrench. Connect the 6-fiber leg to the light source and the read fiber to the spectrometer.