

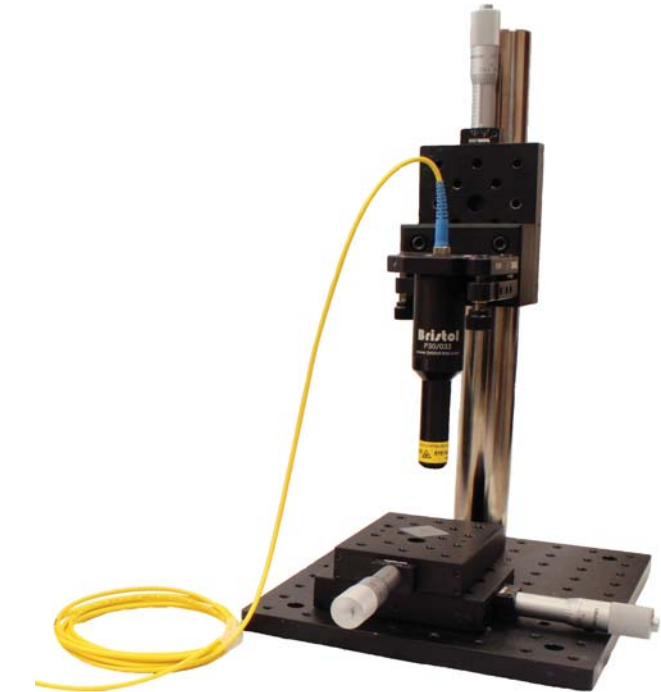
OPTICAL THICKNESS GAUGE PROBES

Bristol Instruments offers a variety of optical probes for different thickness measurement applications. A specific probe is chosen based on the thickness of the material to be tested, the required accuracy and the need for simplified alignment.

QAP-025/50	
The most advanced probe, featuring an on-screen visual target to enable fast and straightforward alignment.	
WORKING DISTANCE	37 mm
ANGULAR FIELD OF VIEW	7°
ABSOLUTE ACCURACY	± 0.1 μm (157)/± 1 μm (137)

P-025/50	
The most precise probe with the widest measurement range of 12 mm. Ideal for multi-layer materials and when the highest accuracy is required.	
WORKING DISTANCE	37 mm
ANGULAR TOLERANCE	2°
ABSOLUTE ACCURACY	± 0.1 μm (157)/± 1 μm (137)

P-135/30	
Combines easy alignment with good accuracy and a measurement range of 3.5 mm. Ideal for measuring thinner, single layer materials.	
WORKING DISTANCE	25 mm
ANGULAR TOLERANCE	6.8°
ABSOLUTE ACCURACY	± 3 μm (157)/± 3 μm (137)



P-081/50	
Provides easy alignment while maintaining the highest precision but with a reduced measurement range. Ideal for multi-layer materials with a thickness of less than 5 mm.	
WORKING DISTANCE	37 mm
ANGULAR TOLERANCE	5°
ABSOLUTE ACCURACY	± 0.1 μm (157)/± 1 μm (137)

P-214/19	
The easiest probe to align, but limited to a maximum thickness of 1.5 mm.	
WORKING DISTANCE	15 mm
ANGULAR TOLERANCE	9°
ABSOLUTE ACCURACY	± 5 μm (157)/± 5 μm (137)