



PERISCOPE PROBES

For Optical Blade Tip Timing On Shrouded Blades

Prime Photonics' periscope probes are for applications that prevent the use of standard axial probes pointed at the blade tips.

They are made to be positioned upstream or downstream of blades to measure tip timing by pointing at the leading edge or trailing edge.

The optical signal is projected at 90° from the axial direction of the probe.

Working Distance

Periscope probes are lensed, which allows adjustment of the design for a specific working range. Examples of typical working ranges:

- Short range: .02" to .25" (0.5 to 6 mm)
- Long range: .75 to 3" (19 to 76 mm)

Intermediate ranges are available as well. Custom working ranges can be designed upon request.

Environmental Conditions

Periscope probes are available in a low temperature model up to 570 °F (300 °C).

Higher temperature versions can be designed upon request.

Typical Dimensions

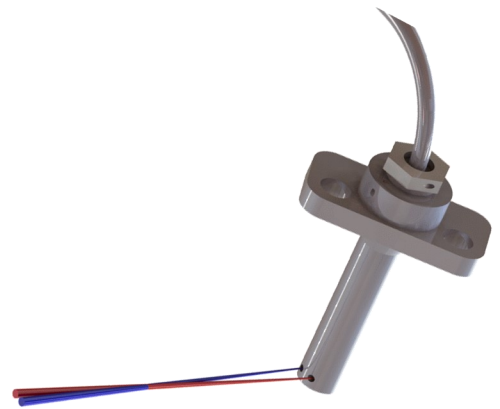
Standard diameter: 0.375" (9.52 mm)

Typical tip length (under flange): 1.25" to 2" (31.7 to 50.8 mm)

Other diameters and lengths are available upon request. Please consult with our sales team.



Periscope Probe



Periscope Probe Field of View

KEY PARAMETERS

2 fibers (1 send and 1 receive)

Custom working range available

FC, ST, and SMA connectors available

Custom mounting flanges

Choice of rigid or flexible cable exiting the probe head

