

## SERIES 40 Laboratory Diffuse Reflectance Probe

PSD's Series 40 Laboratory Diffuse Reflectance Probe is a precision optical instrument that allows remote fiber optic near-IR transmission measurement for materials such as highly scattering soft or hard organic powders, tablets, fermentation broths, slurries, food, textiles, non-woven and polymer beads.

The standard probe comes with an integral 3 meter long bifurcated fiber optic assembly that terminates in two SMA connectors. The standard probe body material is 316/316L stainless steel.

The Series 40 is available in several fiber configurations; 6 around 1, 7 around 37 and 37 around 37. The standard dimensions of the Series 40 probe is 0.25" (6.25mm) diameter x 6.00" (150mm) long. Other sizes available on request.

### **PRODUCT HIGHLIGHTS & SPECIFICATIONS**

High performance at cost effective price

Fiber Type: Variable configurations available

Standard NIR Sampling; Optional UV  
and visible sampling available upon request

Pressure Limit: 300 PSI

Temperature Range: -50°C to 150°C

\* Probe Diameter: 0.25" (6.25mm)

\* Probe Length: 6.00" (150mm)

Optics: Sapphire STD; Quartz upon request

\* Fiber Length: 3 meters

Fiber Sheath: PVC Monocoil

Probe Material: 316/316L Stainless Steel  
(other materials available upon request)

*\*Other sizes are available upon request*