

SERIES 30 Laboratory Transmission Probe Set

PSD's Series 30 Laboratory Transmission Probe Set is a precision optical instrument package 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 set comes with a near-IR or UV integral bifurcated 3 meter long fiber optic assembly that is terminated with SMA connectors. The standard probe body material is 316/316L stainless steel.

The Series 30 probe is provided in a single 600 micron fiber configuration. As an alternative, the Series 30 is also available in a 200 micron bundle of up to 90 strands (approx. .104 diameter). The result is high transmission capability, excellent optical stability, photometric accuracy and minimal undesirable spectral reflectance. The standard probe dimensions are 0.25" diameter to 1.00" diameter x 6.00" or 12.00" long.

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*