

Self-Referencing Probe

- ✓ Built-in Spectralon Disk
- ✓ Redundant Light Sources
- ✓ Rugged
- ✓ Fully Automatic



The Self-Referencing Probe can be connected to CDI Spectrometers via a fiber optic cable and a power cord. The head produces a beam of light approximately 25mm in diameter, projected through a window which can be in contact with the materials being measured. Several fibers pick up the diffuse reflectance signal and transmit them to the spectrometer. The probe head has a built in spectralon disk that is used as a 100% white reference. The spectralon disk is also used to conduct linearity tests and low/high flux noise measurements as per USP <1119>. Combined with our AutoCal feature, USP <1119> requirements are met by the system. AutoCal feature consists of an internal Hg/Ar lamp that is used for wavelength calibration.

All referencing can be done at anytime, without having to move the system after it is installed. The probe head has two light bulbs, one as a backup, proving redundancy. The probe head is made of 304 SS. Teflon or BUNA-N O-Ring seals are used to prevent dust and other contaminants from getting in.



Spectrometer not included



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Control Development, Inc. also manufactures integrated spectroscopy systems for: UV-VIS, NIR, RAMAN and OEM customers.



NIR



PORTABLE



RAMAN



MY INSTRUMENT



OEM

Specifications:

Probe Head

Light Source	Dual Tungsten Lamps, 5.4 Watts each
Lifetime of Lamps	~9,000.00 hrs
Working Distance	10 mm from window
Sensing Area	25 mm
Reference Disk	Spectralon, 100% reference Can add custom standards
Wavelegth Reference	Hg/Ar lamp

Dimensions

Body	4" ³ / ₄ SQ X 2" ³ / ₈
Probe	6" L x 2" ³ / ₄ Diameter
System Weight	5 lbs
EP Rating	Class I, Div II

**Affordably Priced At
\$6,995.00**

	Description	Part #
Ordering Information:	Self-Referencing Probe	PNIR-1000

*All dimensions are approximate
Control Development, Inc.. reserves the right to change specifications without notice.*



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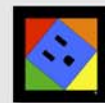
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