

DP-R SERIES

DIAMOND ATR FIBERLESS PROBES

Models DP-R-S, DP-R-2, DP-R-M

Durasens™ DP-R Series Diamond ATR Fiberless Probes are designed for real time reaction monitoring using FTIR spectroscopy. The articulated opto-mechanical arm uses only mirrors to guide light to and from the spectrometer therefore making the full spectral range available. The light path is totally enclosed for purgability.

The probes are constructed of 316 stainless steel and the standard ATR crystal material is diamond. Other materials are available for both the probe and crystal.

These probes are for use with any IR spectrometer.

The DP-R Series Diamond ATR Fiberless Probes are available in a single reflection configuration (Model DP-R-S), a two reflection configuration (Model DP-R-2), and a multiple reflection version (Model DP-R-S).



Model DP-R-S

PRODUCT HIGHLIGHTS

- Diamond ATR Fiberless Probes
- One, two or multiple reflection versions available
- Articulated opto-mechanical light system
- Full spectral range available
- Light path totally enclosed for purgability
- Compatible with most standard FTIR spectrometers

SPECIFICATIONS

Probe Body Material	316 Stainless Steel standard, other materials available
ATR Material	Diamond standard, other materials available
Number of Reflections	One, two or multiple
Maximum Reach	20 inches from spectrometer beam
Maximum Tilt	180°
Probe Diameter	3/4" (Models DP-F-S, DP-F-M), 1/4" (Model DP-F-2)
Wavelength Range	From 5000 to 400 cm ⁻¹
Max Operating Temperature	300°C
Max Operating Pressure	Up to 1000 psi

DP-R SERIES

DIAMOND ATR FIBERLESS PROBES

Models DP-R-S, DP-R-2, DP-R-M

ORDERING INFORMATION

MODEL	DESCRIPTION
DP-R-S	Single Reflection Diamond ATR Fiberless Probe
DP-R-2	Two Reflection Diamond ATR Fiberless Probe
DP-R-M	Multiple Reflection Diamond ATR Fiberless Probe