

# Axsun™ NIR Analyzer Accessory Kit for Gas & Liquid Application Development

## PRODUCT DESCRIPTION



### A Comprehensive Sample-Interface Tool Kit for Use with the Axsun NIR Analyzer

The NIR Analyzer Accessory Kit features laboratory sample interfaces that are optimized for NIR-based application development, manufactured by a world leader in spectrometer accessories – Specac. It is designed to work with Axsun's leading-edge micro-spectrometer, the NIR Analyzer XL. Put the kit and the analyzer together

– and you have all you need to run a wide range of liquid, gas, and transmissive-polymer-film samples to evaluate potential applications quickly and easily. The combination delivers unparalleled system performance, enabling the applications developer to solve the toughest in-line process problems.

Rugged, versatile, and designed for the exacting demands and hostile environments of industrial-process applications, Axsun's leading-edge Integra-Spec micro-spectrometer platform makes realtime, process measurements feasible and affordable. Combined with Axsun's proprietary WARM™ Wavelength/Amplitude Referencing Module, methods developed on the NIR Analyzer can be rapidly transferred to IntegraSpec process spectrometers distributed throughout the process line.

### Product Description

A fiber-coupled variable slide mount holder accommodates a selection of gas and liquid cells and cuvettes, as well as the input and output fiber connectivity of the NIR Analyzer. (Optimized fiber optic patch cords are included with the micro-spectrometer.) A special base plate fixes both the spectrometer fiber interface and variable slide mounts to ensure ease-of-alignment and facilitate set-up. Items are packaged in a hard-shell carrying case for convenient storage and transportation.



## APPLICATION EXAMPLES

- **Pharma & Chemical Manufacturing:**  
Drying, composition & concentration, fermentation, QA/QC
- **Petrochemical and Oil & Gas Manufacturing:**  
Composition and vapor concentration, blending
- **Specialty Gas Manufacturing:**  
Purity and composition
- **Food, Beverage, & Dairy Processing:**  
QA/QC, in-line water content
- **Semiconductor Manufacturing:**  
Process gas monitoring
- **Biomedical:**  
Biological-fluid monitoring



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**Part No. 6014-4100**

### The Axsun NIR Analyzer Accessory Kit includes the following hardware:

Fiber coupled variable slide mount bracket and baseplate, SMA 905 connectors

Slide mount holder for rectangular cross-section cuvettes with positive positioning of cuvettes and slide mount

Pair of 1 mm path length rectangular cross-section IR fused silica cuvette

Pair of 2 mm path length rectangular cross-section IR fused silica cuvette

Pair of 5 mm path length rectangular cross-section IR fused silica cuvette

Pair of 10 mm path length rectangular cross-section IR fused silica cuvette

Pair of 20 mm path length rectangular cross-section IR fused silica cuvette

Matched pair of 50 mm path length cylindrical IR fused silica cells

Matched pair of 100 mm path length cylindrical IR fused silica cells

Magnetic film holder

Microspatula

Carrying Case

(Specifications are subject to change without notice)

## PRODUCTS FOR APPLICATION DEVELOPMENT



**Axsun NIR Analyzer XL**



**Diffuse Reflectance Accessory**



**Liquid-Transmission Probe**

For more information

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