



Technical Specification Sheet MINI RUGGED SPECTROMETER SYSTEMS A Universe of Spectrometer Sys

ChemWiz-ADK Handheld NIR Spectrometer with Built-in Application Development Kit

The **ChemWiz-ADK Series 3** Handheld NIR Spectrometer is a rugged and easy-to-use, research grade near-infrared spectrometer for lab and field testing of sample composition with no additional setup required. The built in Analyzer Development Kit allow spectral matching and also user creatable PLS modeling and prediction functionality. Additionally, the ChemWiz-ADK comes pre-packed with starter NIR calibration models for a variety of applications.



There is no similar portable NIR spectrometer system on the market today with this much functionality! The **ChemWiz-ADK** utilizes a research-grade spectrometer with <5nm spectral resolution over the near infrared, making these instruments the first choice in reliable testing, field demonstrations, installations, R&D, and quality control.



- Acquire full spectrum NIR analysis of solids, liquids, and powders
- Measure real-time composition analysis such as moisture, protein, fat, and much more!
- Analyze unknown samples using spectral matching algorithms
- Easily create your own libraries
- Built in PLS model builder with statistics and loadable real-time prediction
- Pre-built starter PLS calibrations for a variety of applications
- Save spectra and export as text data files, screenshots, and/or PDF report
- Integrated halogen light and RF-HH snap-on reflectance fixture
- Add a reflectance probe, lens, or probe tip for small or hard to reach spots
- Add on CUV-HH (snap-on cuvette holder) or dip probe for liquid samples

Specifications	ChemWiz-ADK
Sensor: DWARF-Star NIR InGaAs Spectrometer	Optics: Research Grade Crossed Czerny Turner
Spectrometer Range: 900-1700 nm	Wavelength Accuracy: <0.25nm
Integrated Light Source: Halogen	Spectral Resolution: <5nm
Reflectance Geometry: 45 degree	Tablet Specs: Android
Digitizer Resolution: 16bit	Software Included: ChemWiz -ADK App