



SMALL GRAINS ANALYZER

Grain Composition & Quality Control



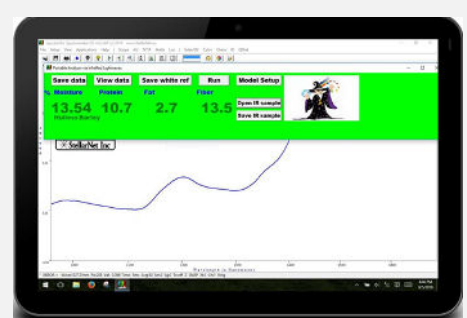
- *Rapid and non-destructive inspection of grain quality*
- *Improve consistency and efficiency of grain processing*
- *Measure protein, fat, moisture, fiber, and much more.*

Our portable Grain Analyzer can help improve consistency and efficiency of many grain processing applications as well as provide rapid on-site analysis during bulk trading to ensure product grade.

The ChemWiz-ADK-G and ChemWiz-ADK-Case-G (for Small Grain Crops) includes research-grade spectrometer instrumentation in either a handheld modular set-up or mounted in a portable and rugged case.

ChemWiz-ADK-G and ChemWiz-ADK-Case-G
for small grain crops (Barley, Wheat, Oats, and Corn)

With a simple press of the "Analyze" button instantaneous match results or sample % composition can be displayed on your screen.

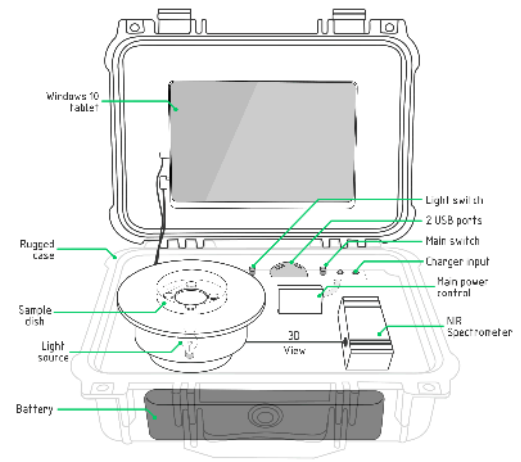


Starter Packages for Barley, Wheat, Oats, and Corn
Included with your system is our starter calibrations for Fat, moisture, protein and fiber. The calibrations were generated using over 120 different samples varying in composition. Custom calibrations can be easily developed with our SMART-NIRS calibration packages!

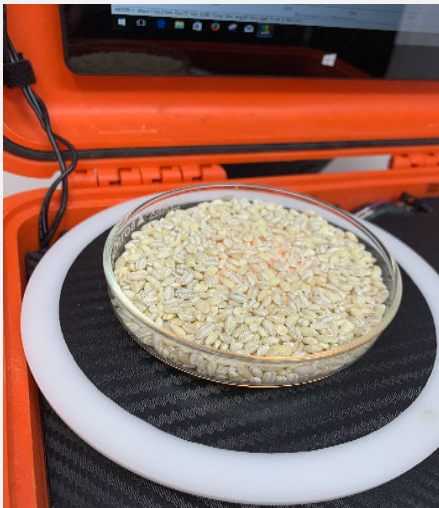


GRAIN ANALYSIS APPLICATIONS

- Inspect grain quality during trading
- Improve milling and processing control
- Transport from lab to mill to broker sites
- Grain breeding and R&D



SPECIFICATIONS



Spectrometer Range:	900-1700nm
Optical Resolution:	2.5nm
Detector Type:	InGaAs Photodiode array
Reflectance Source:	Tungsten Halogen
Optical Measurement:	3D reflectance, probe, or industrial fixture
Battery:	8hr lithium ion
Lamp Power In:	350 mA @ 12 VDC
Dimensions:	Handheld 1.5 x 11 x 6.5" Case: 6 x 11 x 13"
Measurement Speed:	Typical 1-5 seconds
Tablet Specs:	Android
Software Included:	ChemWiz-ADK PRO
Starter Calibrations Included:	G - hullless barley, pearl barley, oats, wheat, and corn starter calibrations