

PORTABLE
ANALYZERS

»
**WHY CONSIDER
DINAMICA
GENERALE NIR
ANALYZERS?**

Dinamica Generale offers a complete near infrared spectroscopy range that includes technology and services:



on board and portable analyzers



calibration transfer software



calibration development



installation services



Extensive database of calibrations



on-site service and on-going remote support



6.

PORTABLE ANALYZERS FOR FORAGE, SILAGE, GRAIN AND SLURRY

6.1 _ AgriNIR portable analyzer for forage, hay, silage, grain and slurry



AgriNIR

Your own lab on-the-go

Dinamica Generale introduced the AgriNIR back in 2008. AgriNIR is a tried and tested portable NIR analyzer for grass, forage and grain that analyzes the percentage of moisture (dry matter), crude protein, starch, ADF, NDF, ash in seconds.

AgriNIR is also available for pig and cattle slurry analysis. This version is capable of analyzing the percentage of nitrogen (N), phosphorus pentoxide (P2O5), potassium oxide (K2O).

- **AgriNIR: 7 preloaded ingredients as standard (Corn Silage, Hay, High Moisture Corn, Alfalfa Hay, Grass Silage, TMR, Soybean Flour)**
- **AgriNIR Slurry: 2 preloaded ingredients as standard (pig and cattle slurry)**
- **Connects to computer via USB port and wi-fi with GoCloud Gateway to share results and perform statistics**
- **Print out reports right after the analysis thanks to the built-in printer.**

Main target customers



Precision Feeding

Nutritionist

AgriNIR is the nutritionist's toolbox for feed sampling, testing and ration adjustment in real time. Dairy farmers need quick and accurate recommendations. The more time it takes for a response, the more impact it can have on milk production and the bottom line.



Precision agriculture

Grower/Contractor

AgriNIR: determining the right time to harvest is extremely important and sometimes difficult. Thanks to AgriNIR the right timing of cutting can be easily determined analyzing dry matter contents of samples from windrows or different crops on-the-go

AgriNIR Slurry: speeding up the process of slurry analysis in the field before fertilizing cuts costs, time and increase productivity.



Biogas plants

Plant owner

Biogas plant managers can perform a full NIR analysis to check the DM and all other parameters of loads of grass and silage delivered by contractors. The analysis can be done in the silage pit too and in under any circumstances since the analyzer can be powered by the tractors/car's lighter.

AgriNIR CUSTOMERS' BENEFITS

- **Reliable.** The highest possible accuracy on-site.
- **Robust.** Sturdy case, full-portability, minimum maintenance
- **Versatile.** Determine the right time to harvest. Check quality of feed purchased. Control feed inventory.
- **Profitable.** Value for money
- **Quick and easy to use.** NIR analysis in seconds!

6.

PORTABLE ANALYZERS FOR FORAGE, SILAGE, GRAIN AND SLURRY

6.2 _ X-NIR handheld analyzer for forage, silage and grain



X-NIR

Daily handheld analysis for everyone

X-NIR Portable NIR Analyzer for Anywhere, Anytime grass and forage analysis. By taking NIR technology in field in the form of a portable, handheld NIR analyzer unit, such as the X-NIR, growers and contractors can obtain real-time results while reducing costs from third-party testing.

X-NIR takes lab-proven technology off the bench and makes it usable by non-scientists. Results that are available within minutes on-site enabling actionable decisions that increase profitability.

- **3 ingredients as standard on each analyzer to pick from more than 60 ingredients available**
- **Connects to computer via USB port and wi-fi with GoCloud Gateway to share results and perform statistics**
- **4"3 Touch screen lets you access all functions with a simple fingertip**

Main target customers



Plant owner
Measuring acceptance of raw materials before processing reduces down-time and production delays.

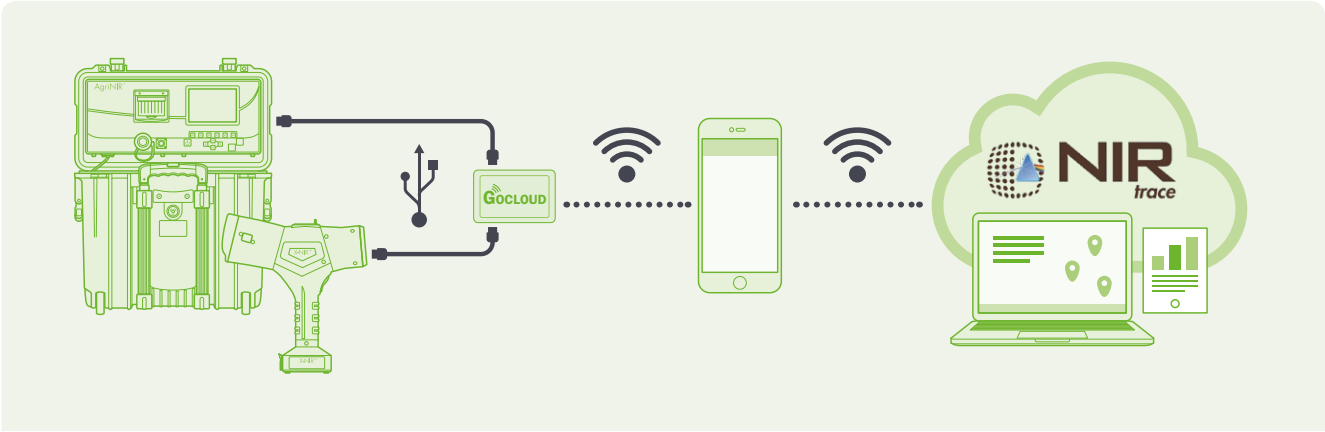


Dairy farmers
For small to medium-sized dairy farms as portable solution for real-time daily feed analysis. Feed livestock the most effective ration as prescribed from the nutritionist.



X-NIR CUSTOMERS' BENEFITS

- **QUICK:** Never wait to get results again. X-NIR delivers full NIR analysis in less than a minute
- **SIMPLE:** Analysis are performed without sample preparation, no cutting, milling or drying
- **RELIABLE:** Analyse all types of materials from forages to grass up to grains
- **COST EFFECTIVE:** no cartridge, consumables or other expensive accessories every time you analyze
- **ECONOMICAL:** X-NIR directly impacts the profitability of the user organization allowing a tremendous increase in number of analysis performed on site without increasing the cost per analysis.
- **EASY TO USE:** the X-NIR does not require any specific technical knowledge and it is user-friendly. The operator chooses what he wants to analyze, the ID of the sample and the number of scans he wants to do for every analysis... and then he presses the trigger!
- **ACCURATE:** With the X-NIR portable NIR analyzer not only the amount of dry matter, but also the amount of protein, crude fat, ash, ADF, NDF and other nutrients are all detected within seconds



- NIR analysis storage and backup
- View and download advanced reports and trends
- NIR trace software can be used with multiple NIR analyzers

**TRUSTWORTHY NIR CALIBRATIONS.
GET BETTER RESULTS.
SIMPLY.**

Ingredients available

Decades of experience and know-how in NIR technology gives worldwide users the opportunity to choose GLOBAL Calibrations, usable everywhere and a comprehensive database of LOCAL country-specific calibrations that enable to customize even further each NIR analyzer developed by Dinamica Generale.



12 Global Calibrations



48 Local Calibrations



Global Lab network

Global Calibrations

Corn Silage	Dry Alfalfa Hay	Soybean Flour	Green Grass
Dry Grass Hay	Grass Silage	Alfalfa Haylage	Cow Slurry
High Moisture Corn	Dairy Cows TMR	Green Maize	Pig Slurry

Local Calibrations

Corn Grain	Dry Beet Pulp	Dry Corn Stalks	T.M.R. Low Protein
Wheat Grain	Dry Corn Distillers	Green Rye	Dairy Bulls TMR
Olive Husk	Dry Grain Distillers	Oat Hay	Earlage
Soya Oilcake	Bran	Wet Brewers Grain	Dairy Cows TMR
Sunflower Oilcake	Wet Corn Distillers	Corn Germ Flour	Dry Corn Stover
T.M.R. High Protein	Snaplage	Green part of Maize	DDGS - Dried Distillers Grains with Solubles
Sunflower Meal	Green Alfalfa	Whole Wet Grain	Pellet Product
Wet Corn Gluten	Triticale Silage	Barley Silage	Whole High Moisture Corn
Sorghum Silage	Green Triticale	Soybean Grain	Wheat Hay
Rapeseed Meal	Wet Grain Distillers	Wheat Silage	TMR - Dry Cows
Barley Grain	Oatlage	Wheat Green Forage	
Semolina Flour	Treated Corn Stalks	Unifeed PR	



Ask the NIR expert

Need help or advice from an expert? If so we are here to help

We understand that for many of our new customers the NIR technology can be sometimes difficult. Don't worry we have all of the help and advice that you will need, visit our website and get in contact with us.

