

AgriNIR™



ON-FARM



IN FIELD



AgriNIR is a portable NIR analyzer for forages and grains that measures the percentage of Moisture (Dry Matter), Starch, Crude Protein, ADF, NDF, Ash, Crude Fat and many other nutrients in seconds. Patented (EP 2 377 392 / US 8 651 730).

GALLERY



FEATURES

- Multilanguage user interface: Italian, English, Spanish, French, German, Polish, Mexican Spanish, Russian, Czech, Croatian, Slovak, Swedish, Lithuanian, Turkish, Portuguese, Chinese.
- Totally portable:
 - the instrument is contained in a compact case
 - AgriNIR is equipped with wheels and an extendable handle
 - All in one lab on-the go
 - Bright 7" 16/9 display
 - Protective dustproof overlay
 - Print out reports right after the analysis thanks to the built-in printer
 - Connects to NIR Trace software via USB port and Wi-Fi
- Settings manager: number of decimals, date format, print type etc...
- The instrument is pre-loaded with NIR calibration curves for 7 ingredients (Crops) with a total of 44 curves
- NIR Evolution Software: provided as standard with the purchase of each and every portable NIR analyzer enables:
 - initial verification of your NIR device.
 - keeping your analyzer always up-to-date (update of calibrations and firmware).
 - reliable predictions thanks to the constant alignment between your NIR analyzer and test lab

PRELOADED INGREDIENTS

7 Preloaded ingredients by 7 nutrients for a total of 44 NIR calibration curves

INGREDIENTS	NUTRIENTS						
	Moisture	Starch	Crude Protein	ADF	NDF	Ash	Crude Fat
CORN SILAGE	YES	YES	YES	YES	YES	YES	YES
HAY	YES	NO	YES	YES	YES	YES	YES
HIGH MOISTURE CORN	YES	YES	YES	YES	YES	YES	YES
ALFALFA HAY	YES	NO	YES	YES	YES	YES	YES
GRASS SILAGE	YES	NO	YES	YES	YES	YES	YES
T.M.R.	YES	YES	YES	YES	YES	YES	YES
SOYBEAN FLOUR	YES	NO	YES	NO	YES	YES	YES

44 calibration curves included within the AgriNIR analyzer to start analyzing your material on-site and seeing the real advantages of AgriNIR™.

New ingredients and nutrients available on requests.

NUTRIENTS ON REQUEST

NUTRIENTS	INGREDIENTS		
Crude Fiber	Soya Oilcake	Sunflower Oilcake	Sunflower Meal
	Barley Grain	Semolina Flour	Dry Beet Pulp
	Dry Grain Distillers	Corn Gluten Meal	Bran
	Sunflower Seed Pulp	Pellet	Rapeseed Meal
	Dry Corn Distillers	Cotton Seed Pulp	
D-Starch 12	Whole Wet Grain		
RFV	Dry Grass Hay	Dry Alfalfa Hay	Alfalfa Haylage
DOM 24	Corn Silage	Green Maize	Green Part of Maize
NDFD 24			
	Corn Silage	Grass Silage	Alfalfa Haylage

IVSD7	X		
Ammonia-CP	X		
Propionic Acid	X		
NEL	X	X	
PH	X	X	X
Ca	X	X	X
P	X	X	X
Mg	X	X	X
Sugar Esc	X	X	X
IVTDTM 30	X	X	X
ND-ICP	X	X	X
NDFD 30		X	X
K		X	X
S		X	X
ADL		X	X
AD-ICP		X	X
TFA		X	

COMPONENTS

AgriNIR™ System components

- Sample holder
- Check cell
- AC power supply
- Car lighter adapter for field use
- Service contract (Included with the purchase of the machine for the first year) with:
 - Original Spare parts package
 - NIR Trace Cloud software license
 - NIR Evolution Cloud software license
 - 24/7 support service
 - Multi-lingual helpdesk

NIR Trace

NIR™ Trace is a data management software that allow to record organize and show forages and grains NIR analysis

- Historical Analysis of AgriNIR™ data;
- Possibility to select parameters and make accurate statistics
- PDF and Excel download of all analysis stored in the software;
- Data transfer from AgriNIR™ software through USB;
- Possibility to manage many AgriNIR™ with a single software using different IDs;
- Creation of graphs, possibility to see different graphs in a single screen
- Client data transfer from NIR™ Trace to AgriNIR™ and viceversa. Possibility to see client data directly from AgriNIR™
- All analysis results are imported in the NIR™ Trace It is possible to integrate this software in the DTM™ IC in order to recalculate the ration using real values.



Minimal System Requirements:

- Windows XP SP2; Windows Vista; Windows 7, 8
- Microsoft Internet Explorer 6.0 SP1 or higher
- Microsoft Excel 2000 or higher
- Pentium III, 1 GHz or higher
- Ram: 512 MB (recommended 1 GB or higher)
- Hard disk space: 750MB available space
- Monitor: 1024 * 768 recommended resolution
- CD-Rom device
- Mouse or alternative
- Internet connection with e-mail recommended

NIR EVOLUTION

NIR EVOLUTION is a cloud software for NIR analyzers' update, control and calibration management.

- Quick and safe access to new calibration update
- Reliable predictions
- Save time and money
- Initial verification of your NIR device
- Keeping your NIR analyzer always up-to-date (update of calibrations and firmware)
- Alignment between NIR analyzer and test lab to always perform accurate analysis

- Manage machines and customers (according to users' type)
- Smartphone and tablet compatibility
- Keep under control changes in forage quality over time thanks to statistics and reports on historical data

BROCHURE

[Download On-Farm brochure in PDF format](#)

BENEFITS

- Reliable:
 - The highest possible accuracy performed on-site in real time
 - AgriNIR works in any environmental conditions
- Quick and Easy to use:
 - a complete analysis in 60 seconds
- Profitable:
 - Rapid payback
 - Reduced costs per analysis (generally just depreciation)
- Efficient:
 - virtually no sample preparation. Opportunity to increase measured replicates. More replicates = more precision.
- Ready to Use:
 - "Grab it and analyze it" procedure
- Robust:
 - Sturdy case. Full-portability. Minimum maintenance
- Versatile:
 - Check quality of feed purchased. Control feed inventory. Determine the right time to harvest

TECHNICAL DATA



DISPLAY DIMENSIONS
7" 16/9



DISPLAY TYPE
LCD 1/4 VGA



ACCURACY
Moisture: 1,5%* |
Starch 2,4% | ADF 2,4% |
Ash 2,4% | Crude
Protein 2,4% |
NDF 2,4% | Crude Fat 2,4 %



POWER SUPPLY
110 - 220 Vac 50-60Hz
(external power supply
included) 12 - 18 Vdc
(lighter plug or vehicle
battery clips included)



WEIGHT
19 Kg (42 lbs)



WORKING TEMPERATURE
0 / +40°C (32 / +104°F)



CASE DIMENSIONS
500 x 300 x 460 mm
20 x 12 x 18 inches



CASE MATERIAL
ABS

* The degree of accuracy depends upon the availability of prediction models for each product, on-site verification of the instrument, use of the NIR Evolution Cloud Software (DRN 985-0139)