# AGRINIR 4.0™



**ON-FARM**

**IN FIELD**

AGRINIR 4.0 is tried and tested portable analyzer for forages and grains that measure the percentage of  moisture (dry matter), crude protein, starch, ADF, NDF and ash in seconds.

## GALLERY

# FEATURES

- GPS antenna integrated to localise the sample
- App based for an improved UX
- Analyze all components including slurry and digestate
- Automatic rotation of the samples
- EvoNIR 4.0 is DLG certified for pig-cow, mixed slurry and digestate
- Real time outlier identification
- Remote serviciability and calibration update
- Reports available directly on the App. Available to share via WhatsApp, mail etc.
- 4G Modem integrated to exchange data with NIR Trace and NIR Evolution
- More powerful predictive engine based on last maths models
- Totally portable
- Print out reports right after the analysis thanks to the built-in printer
- Connects to NIR Trace software
- 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.

| 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.



DATA EXCHANGE VIA:
- MODEM 4G
- WI-FI
- USB KEY

### 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)