X-NIR™



ON-FARM

X-NIR™ hand held analyzer for forages and grains that measures the percentage of Moisture (Dry Matter), Starch, Crude Protein, ADF, NDF, Ash and Crude Fat of different feeding materials in seconds.
Patented (EP 2 377 392 / US 8 651 730).

GALLERY





















FEATURES

- All in one analyzer: the scanner NIR unit and the computing unit are integrated into one single instrument
- Fully customizable product (more than 50 ingredients available by country)
- 3 ingredients as standard on each analyzer to pick from more than 50 ingredients available on request by country or area coverage as a result of Dinamica Generale's more than 10 years of experience in NIR solutions.
- Connects to computer via USB port and WiFi
- 4"3 Touch screen interface let you access all functions with a simple fingertip
- X-NIR™ enables daily real time control of TMR quality
- Lower operating and maintenance costs thanks to few long life components (i.e. rechargeable battery)
- Lightweight and easy to carry everywhere
- Strong structure ideal for operating in any type of weather conditions
- Multilanguage user interface: Italian, English, Spanish, French, German, Polish, Mexican Spanish, Russian, Czech, Croatian, Slovak, Swedish, Danish, Lithuanian, Finnish, Portuguese, Chinese
- NIR Evolution Software: provided as standard with the purchase of each and every portable NIR analyzer, NIR Evolution 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

NIR FAMILIES AVAILABLE:

3 NIR Families pre-calibrated as standard on each instrument can be chosen among more than 50 families divided by geographic area.

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

- Battery charger with power supply
- 2 x Lithium Battery
- Usb stick
- Check cell
- 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 data management software allows recording, organizing and presenting NIR analysis:

- Historical NIR Analysis data
- Select parameters and make accurate statistics
- PDF and Excel reports
- Multi-machine management using different ID
- Creation of graphs, multiple graphs view on screen
- Customer data transfer from NIR Trace to X-NIR™ and vice versa. Possibility to view customers' data directly on X-NIR™ screen
- NIR analysis are imported into the NIR Trace then into DTM™ IC to easily recalculate the ration using real values.



BROCHURE

Download On-Farm brochure in PDF format

BENEFITS

- QUICK: Never wait to get results again. X-NIR delivers full NIR analysis in less than a minute. The results can be stored in the internal memory of the X-NIR or on a USB stick
- SIMPLE: Analysis are performed without sample preparation, no cutting, milling or drying
- RELIABLE: Analyze all types of materials from forages to grains to pellets
- COST EFFECTIVE: no cartridge, consumables or other expensive accessories every time you analyze
- ECONOMICAL: X-NIR directly affects 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, hash, ADF, NDF and other nutrients are all detected within second

TECHNICAL DATA



DISPLAY DIMENSIONS
4,3”, 480 x 272 resolution



DISPLAY TYPE
LCD touchscreen



ACCURACY
Moisture: 2%*
Fiber ADF: 3%
Fiber NDF: 3%
Starch: 3%
Ash: 3%
Crude Fat: 3%



POWER SUPPLY
1 rechargeable Li-ion battery 3Ah 15V
(1 battery inside the device + 1 battery replacement)



WEIGHT
1,6 kg (with case and accessories 7,5 kg)



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



CASE DIMENSIONS
502 x 400 x 188 mm (20 x 16 x 7.4 inches)



CASE MATERIAL
Polypropylene

* 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)