

N-SENS Feed Analyzer



NANOSENS[®]

Spectroscopic Solutions for Industries

www.nanosens.com.tr

N-SENS Feed Analyzer



N-SENS Feed Analyzer allows rapid and practical analysis of direct measurements for feed and forage samples. N-SENS Feed Analyzer offers feed and feed ingredient manufacturers fast and reliable results to optimize production, minimize costs and ensure a consistent product. N-SENS Feed Analyzer provide accurate and reliable results which allows manufacturer to handle quality issues with confidence and produce much closer to specifications. N-SENS Feed Analyzer is easy to use and provide results in less than a minute.



Installation Requirements*

Function Range	0 - (+)35 °C**
Storage/Transport Range	-20 - (+)40°C**
Mechanical Environment	Stationary
EMC Environment	Laboratory Use
USB Connector	USB 2.0 Type A to B
Power Supply	2.1 Plug-in
Input Voltage	176-264 V
Frequency	50-60 Hz
Output Voltage	24 V DC
Output Current	3.6 A
Dimensions	250x355x170 mm
Housing	Aluminum

**Specifications may be subjected to change without prior notice.
**Humidity ≤ 85% at 35°C

Technical Specifications*

Measurement Mode	Solid/Liquid
Wavelength Range	950 – 1650 nm (10,526 – 6060 cm ⁻¹)
Spectral Bandwidth	<1.25% of center wavelength (1% typical)
Detector	InGaAs photodiode array
Dynamic range (Max)	1000:1
Integration time	10 ms typical, minimum 10 µsec
Signal-to-noise ratio (typical)	23,000 (average of 100 scans)
Number of scan	2000 spectra/sample
Bulb life	>40,000 hr
Reference	Spectralon (>99% Diffuse Reflectance)
Absorbance range	Up to 3 AU
Analysis time	<30 sec***
Sample Type	Direct measurement (ground/unground/ pellets)
Parameters	Fat, protein, moisture, ash, starch and crude fiber***

***Adjustable

N-SENS Feed Analyzer



Chicken Feed



Ruminant Feed



Wheat



Sunflower Meal



Maize



Soybean Meal

- N-SENS Calibration Line include various feed and raw materials.
- N-SENS Feed Analyzer calibration line is created with the analyzes performed in the fully equipped feed analysis laboratory.
- If you are looking for a fast method applicable for various kinds of substances such as solids, powders, pellets, or liquids, N-SENS Feed Analyzer is the method of choice.



NO time consuming analytical methods

NO sample preparation

NO expensive consumable

NO toxic reagents

N-SENS Feed Analyzer

Rapid, Easy, Accurate



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