

RCI Aurora NIR

- Portable Handheld NIR Analyzer for Nutritionists, Vets, Herdsmen and Livestock Professionals
- Provides Quick and Accurate Analysis
- On-Farm Analysis of Corn Silage, Alfalfa Haylage and TMRs

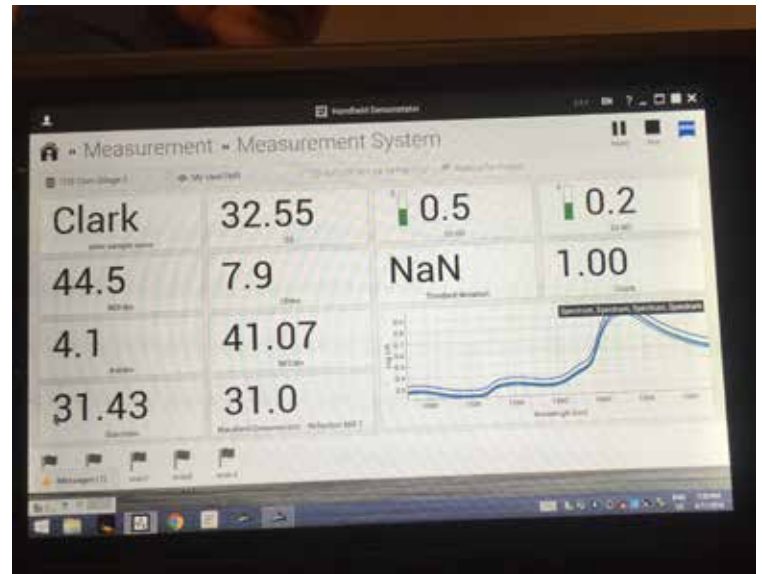


KEEP MOVING FORWARD



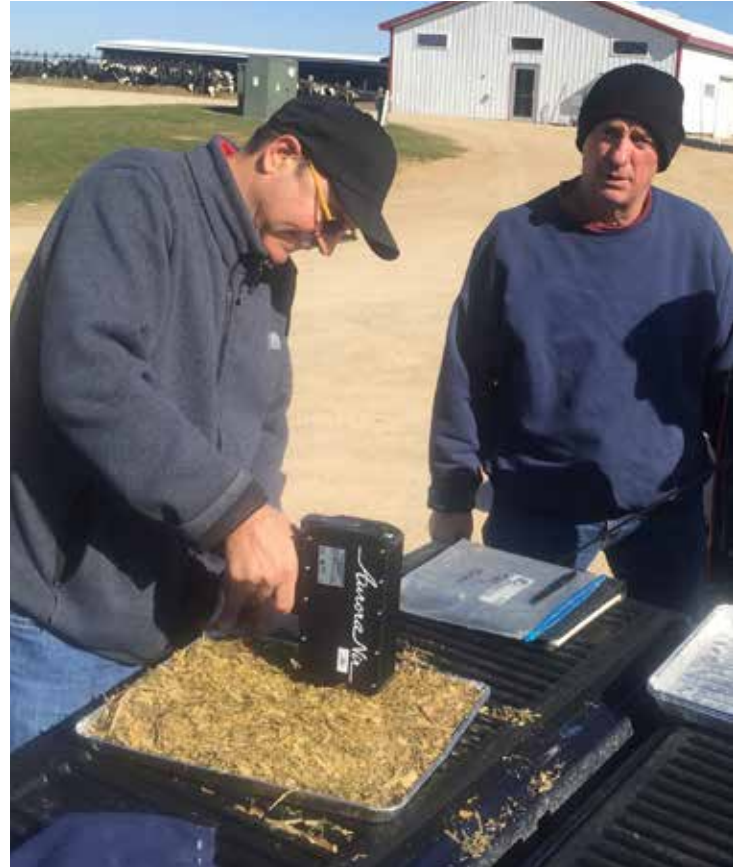
Feed Analysis Has Never Been Easier

What you put into your herd often dictates what you get out of your herd. Making quick, accurate adjustments to animal nutrition has not been possible until now. The RCI Aurora NIR provides accurate and rapid analysis of ration ingredients or total mixed rations (TMRs) directly on the farm. No more waiting for a sample to be shipped, analyzed, and returned to you or the herd nutritionist. It allows you to check the quality and homogeneity of TMRs to monitor how closely the TMR in the mixer matches its formulation (as calculated by a computer). Plus it allows you to analyze the ration that is presented to the cattle or to analyze what the cattle are not eating. The instrument is supplied pre-calibrated for analysis of the following “as is” feedstuffs: corn silage, alfalfa haylage, TMRs.



The RCI Aurora NIR has a wide range of ready to use calibrations for both “as is” and “dried/milled” products. Below is a list of currently available calibrations. For more information on products and parameters, please contact us.

The RCI Aurora NIR can also be used in the field when you are harvesting your livestock feed. It provides accurate and rapid analysis of chopped forage directly in the field during harvest. In field use can provide instant information on preservative applications, if harvest times need tadjustment, or final storage and use for the crop.



RCI Aurora NIR Calibrations

Products	Sample Preparation	DM	Ash	Protein	Fat	NDF	ADF	Starch
Corn silage (forage)	Fresh	✓	✓	✓	✓	✓	✓	✓
Corn silage	Ensiled	✓	✓	✓	✓	✓	✓	✓
High moisture corn (HMC)	Ensiled	✓	✓	✓	✓	✓	✓	✓
Haylage (forage)	Fresh	✓	✓	✓	✓	✓	✓	✓
Haylage	Ensiled	✓	✓	✓	✓	✓	✓	✓
TMR	Fresh	✓	✓	✓	✓	✓	✓	✓
Grass & whole crop cereal silage	Fresh	✓	✓	✓	✓	✓	✓	✓
Grass & whole crop cereal silage	Ensiled	✓	✓	✓	✓	✓	✓	✓
Grass Silage	Fresh	✓	✓	✓	✓	✓	✓	✓
Grass Silage	Ensiled	✓	✓	✓	✓	✓	✓	✓

The Best NIR Technology Right in Your Hand

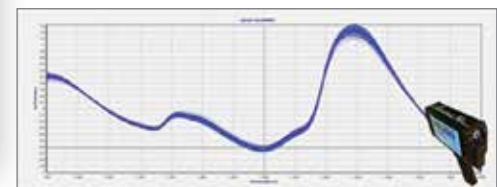
Aurora NIR is a portable NIR analyzer that includes the most advanced NIR technology. It is developed and designed for professionals in agri-foods and renewable energy. Every component of the analyzer has been designed to meet the needs of a demanding work environment which requires:

- Ease of use
- Long battery life – up to 2 hours
- Quick exchangeable battery when battery expires
- Reliable analytical results
- Custom analytical reports and data storage
- Low maintenance costs



Specifications

RCI AURORA NIR	
Sensor	InGaAs array with 256 pixels, range 950-1650nm
Scanning method	Reflectance, with automatic internal reference
Body	Aluminium, with sapphire window.
Dimensions	9.05 x 4.72 x 2.75 inches (23 x 12 x 7 cm)
Weight	Less than 4.4 lbs. (2 kg)
Volume	Less than 122 cubic inches (2 liters)
Batteries	Lithium-ion, capacity 30Wh, up to 2h continuous work Optional: capacity 110Wh, up to 8h continuous work
Computer	Incorporated in the body, touchscreen tablet with 7 inch screen
Connectivity	2xUSB, Ethernet, WLAN, Bluetooth
Calibrations	Preloaded or proprietary by costumers. Accepts calibration from UCAL, UNSCRAMBLER, GRAMS
Options	Wireless keyboard and mouse



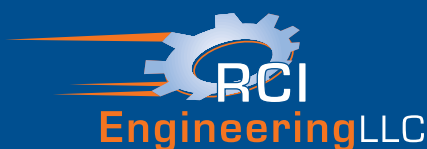
Software

The Aurora NIR software integrates InProcess (manufacturer) making data exportation customizable and applicable on different platforms, such as xml, csv, Excel and pdf. In the Android mobile application, the report is customizable with notes and photographs of the sample.



**Contact RCI Engineering toll free at 888-472-4552
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