



Prairie
Grain Analyzers



PRODUCT CATALOGUE

Quality Grain Analysis
Made Affordable

PGA MA-405 Moisture Analyzer

- Built in scale, thermometer, and charts allow for instant moisture, test **weight**, and **temperature** readings.
- **Portable with rechargeable batteries.**
- Use this tester on the combine, next to the dryer or the auger.
- **High frequency** testing measures moisture to the center of the kernel
- **Accuracy of $\pm 0.3\%$**
- **Measure hot grain, and frozen grain** (-10C / 14F to 71C / 160F)
- Built in **thermal printer** and high resolution 4.3" touchscreen
- All CGC or USDA chart updates and calibrations will be available from the comfort of your home via WiFi.
- Share and save up to 500 results on your phone using the **MA-405 app** available for Android and IOS.
- Built-in USB drive allows for storage of results on a USB stick.
- View location of test with the free phone application.
- Comes with a carry-on case and a 200 gram weight for scale calibration.
- Manufactured in Canada.



PGA Wireless Bin Monitoring System (No subscription fees)

- The most affordable bin monitoring system in the market
- Compatible with most pre-existing temperature and moisture cables
- Hook up to 8 temperature or moisture cables to each box
- Super easy installation
- Get live alerts and notifications anywhere, anytime on your phone
- Communication range of up to 1500 feet from the master box installed
- Optional add on: 30 watt solar panels and 12-volt 7Ah rechargeable batteries
- WiFi or LTE connection is required to the master unit only
- Inventory management through the app



PGA Fan Controllers

PGA Fan Controller connects your aeration fans through our website or app allowing fans to be controlled remotely from your phone or computer.



PGA Lidar Level AND CO2 Sensors(5 min installation)

- Lidar level sensors offer accurate, non-contact measure of grain levels in the bin. Stay informed with real time alerts of abrupt decreases in bin level, enabling effective theft prevention and control measures.
- Real-time alerts of bin CO2 levels that indicate spoilage, mold, and insect activity.
- Easy install: no modification needed in your bin. comes with brackets to be installed in roof man door of the grain bin



PGA Yellow Temperature and Moisture Cables

- Easy installation
- The most affordable temperature and moisture cables on the market



GrainSense Portable Protein Analyzer

- The most affordable and accurate portable protein analyzer on the market with an **accuracy of $\pm 0.3\%$** .
- Near-infrared device with patented technology that analyzes **protein, moisture, carbohydrates and oil contents** from crops.
- Return on investment achieved in first harvest
- Only few kernels are needed, and results are obtained in few seconds
- Laboratory level accuracy on the field
- Lightweight and easy to carry
- Share and save results on your phone with cloud account
- View location of testing on the phone application
- Battery operated



Combine GrainSense Flow Analyzer

- Near Infrared device with patented technology that analyzes **moisture** and **protein** during harvesting, processing, and storage.
- Detects the share of **green** and **broken** kernels to help you in making data-driven decisions when handling your grain.
- Can be **installed in a combine harvester, elevator, bin, or grain dryer** via a grain entry and exit pipe system.
- Return of investment achieved in the first harvest.
- Measurements are sent to the GrainSense cloud enabling the user to monitor the measured results in real-time.
- Available crops: Wheat and Barley (coming late 2022: corn, soybean, and canola)



PGA Automated Sampler

- Eliminated human error with this automated auger sampling system
- Even sized samples at even intervals ensures representative sampling
- Collect samples from the inner auger resulting in less lightweight dockage collecting
- Adjustable speed and size for various sized samples
- Mounts to any make/model auger without need for modification (mounts onto inspection plate or access cover)
- Built durable and weather resistant
- Remote control On/Off switch
- Manufactured in Canada



Future application: Automated conveyor and auger sampler with built-in moisture analyzer for real time moisture analysis



SGrain & XGrain Near Infrared Grain Analyzer

- Infracont XGrain and SGrain instruments can be used to analyze the composition of grains, oilseeds, and flour without sample preparation
- These devices measure **protein, moisture, gluten, ash, starch, and oil content**
- Ready-to-use, transferable, long term stability calibrations
- Calibrations available: wheat, barley, spring barley, durum, rye, triticale, oats, corn, canola, soybean, sun flower seeds (husked), peas, beans, rice (husked), wheat flour, semolina, soy meal (extracted), corn grits, and corn flour
- Excellent wavelength accuracy and reproducibility
- These devices apply light of 780-1064 nm wavelength range for measurements
- Measure test weight (XGrain model only)
- No warm-up time
- 8" touchscreen LCD display
- **Built-in thermal printer**
- Networking functions for remote access via WiFi/LAN
- Free cloud system



PGA Portable Hay Tester

- Double 16" probe, make it the most accurate portable hay tester in the world
- Moisture range of **6%-80%**
- **Accuracy of $\pm 1\%$**
- Battery Operated

