



Dickey-john® Model GAC2500UGMA and GAC2500-INTL Grain Moisture Analyzers

Dickey-john® is the leader in the development of grain moisture testing instruments to accurately and consistently provide grain moisture testing for the USDA official grain grading system, commercial grain trade, seed industry, feed mill and farmer/producer markets around the world. Dickey-john is an ISO-9000:2000 certified manufacturing company. Together, we are pleased to introduce the next generation in moisture analysis instrumentation that utilizes the new 149 MHz Unified Grain Moisture Algorithm (UGMA) technology. This UGMA-based technology was developed to expand the ranges of moisture, temperature and density (test weight) variations in crops being tested. This allows for more accurate results and more consistent (repeatable) results from your moisture analyzer.

The Dickey-john Model GAC®2500UGMA Grain Moisture Analyzer, offered by Seedburo, is the latest in moisture testing technology. The UGMA has more accurate temperature sensing capabilities, allowing you to measure in extreme temperature conditions, including frozen and hot grains. In addition, the GAC2500UGMA has a quick and easy to use color touch screen interface.

Calibrations for the GAC2500UGMA are developed and validated in coordination with the USDA-AMS/FGIS and the NTEP programs. The GAC2500UGMA is the USDA approved moisture analyzer for official grain inspection and NTEP verified commercial grain operations for the standard crops regulated by these programs. Calibrations are also available for many specialty crops and seeds including: Almonds, Coffee and Edible Beans. Calibrations are loaded and updated through the USB ports via either a direct connection to a PC or via a memory stick providing for quick and accurate updates. We do our utmost to notify each customer, by email, when these calibrations change and how to download them.

Grain Moisture Analyzer, 110/220V, 50/60Hz..... No. **GAC2500UGMA**
 International Grain Moisture Analyzer, 110/220V, 50/60Hz.....No. **GAC2500-INTL**
 Printer with Interface Cable, 110/220V, 50/60Hz.....No. **GAC-P25**
 Printer with USB ConnectionNo. **GAC-P25/USB**

Moisture measurement remains one of the most important official and commercial grain inspection activities because of the impact of moisture contents on end-use value and storability of grain. The GAC2500UGMA technology will substantially reduce the effects of variables such as sample temperature, geographical origin, variety, crop year, density, and kernel moisture distribution. The UGMA-based technology provides moisture results that align more closely with results achieved through the USA official reference method, the air oven, and even better than any tester on the market today.

The GAC2500UGMA reduces the time of analysis at the grain terminal by using improved mechanics, an easy-to-use color touch screen, and an optional "pass-thru" drawer minimizing real-life run time in grain operations. The sample is loaded into the hopper without any pre-measurement or weighing, automatically dropped into the measurement test cell where the density, temperature, and moisture are calculated and displayed on the bright, 4-color display. The sample is then automatically discharged from the analyzer to the bottom drawer or into a receptacle below the unit when using the pass-thru drawer option. Results can be transmitted to an attached printer or data collection system via the various data connections available on the analyzer.

The GAC2500UGMA is now available for the international grain market, the No. GAC2500-INTL has the additional benefit of displaying results and instructions in multiple languages such as French, German, Italian, Polish, Russian, and Spanish just to name a few (See our website for a full listing). The GAC2500-INTL is the same technologically advanced moisture tester with the exception that it can display in different languages. It does not carry NTEP approval, but is as accurate and reliable as the GAC2500UGMA NTEP model.

Multiple USB connections (front and back on the instrument), along with the Type 9 and RS232 connections allow for a variety of data transfer and printer options. The GAC-Printer offered below is just one of the available options for data flow.

Specifications

- Moisture Range: determined by each grain calibration and harvest conditions, normally 5–45%
- Ambient (environment) Temperature Range: 36°F–113°F (2°C–45°C)
- Sample Temperature Range: -4°F to 113°F (-20°C to 45°C) depending on grain calibrations
- Difference (ambient to grain Sample) 72°F (40°C) below ambient and 36°F (20°C) above ambient
- NTEP Certificate: #12-070A4

GAC2500UGMA and GAC2500-INTL: Net wt: 30 lbs, Actual dims: 14" (L) x 19" (W) x 17" (H), Ship wt: 36 lbs, Ship dims: 24" (L) x 20" (W) x 21" (H).

GAC-P25 Printer with Cable: Net wt: 8 lbs, Actual dims: 8½" (L) x 6¼" (W) x 6¾" (H), Ship wt: 10 lbs, Ship dims: 15" (L) x 15" (W) x 11" (H).



Printer Paper for GAC-P and GAC-P25/USB Printer No. **GAC-PP**
 Replacement Printer Ribbon for GAC-P Printer No. **GAC-PR**
 Replacement Interface Cable.....No. **GAC2500-CABLE**