

DICKEY-JOHN MODEL GAC2500UGMA GRAIN MOISTURE ANALYZER

Seedburo offers the Dickey-john Model GAC2500UGMA grain moisture analyzer, the latest in moisture testing technology. Dickey-john has been 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 the 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 allow for a reduced number of grain calibrations needed to deliver precise moisture results and expand the ranges of moisture, temperature and density (test weight) variations in crops being tested. This allows for not only more accurate results but, more consistent (repeatable) results from your moisture analyzer.

Moisture measurement remains one of the most important official and commercial grain inspection activities because of moisture contents impact on the 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 utilized by the GAC2500UGMA provides moisture results that align more closely with results achieved through the (USA) official reference method, the air oven, better than any tester on the market today.

Calibrations for the GAC2500UGMA are developed and validated in coordination with the USDA-GIPSA / 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 almond, coffee and edible beans. Calibrations are loaded and updated thru the USB ports via either a direct connection to a PC or via a memory stick providing for quick and accurate updates when required.

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.



GAC2500UGMA



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.

GAC2500UGMA: Net wt. 28 lbs. Ship wt. 33 lbs. Actual dims 10-1/2" L x 14-3/4" W x 17" H

Ship dims 20" L x 20" W x 24" H

GAC Series Printer w/ cable: Net wt. 6 lbs. Ship wt. 10 lbs.

Actual dims 8-1/2" L x 6-1/4" W x 6-3/4" H

Ship dims 12" L x 11" W x 12" H

Specifications

- Moisture Range: Determined by each grain calibration and harvest conditions, normally 5 – 40%
- Ambient (Environment) Temperature Range: 35°F - 113°F (2°C - 45°C)
- Sample Temperature Range: -0.4°F - 113°F (-18°C - 45°C)
- Difference (Ambient to Grain Sample) 72°F (40°C) below ambient and 36°F (20°C) above ambient
- NTEP Certificate: # 12-070

Automatic Moisture Analyzer,

110/220V, 50/60 Hz **No. GAC2500UGMA**

Printer with Interface Cable,

110/220V, 50/60 Hz **No. GAC-P25**

Printer Paper for GAC-P Printer **No. GAC-PP**

Replacement Printer Ribbon for GAC-P Printer **No. GAC-PR**

Replacement Interface Cable **No. GAC2500-CABLE**

Replacement Standard Drawer **No. GAC-25DRAWER**

Optional Flow Thru Drawer **No. GAC-25FT**

