

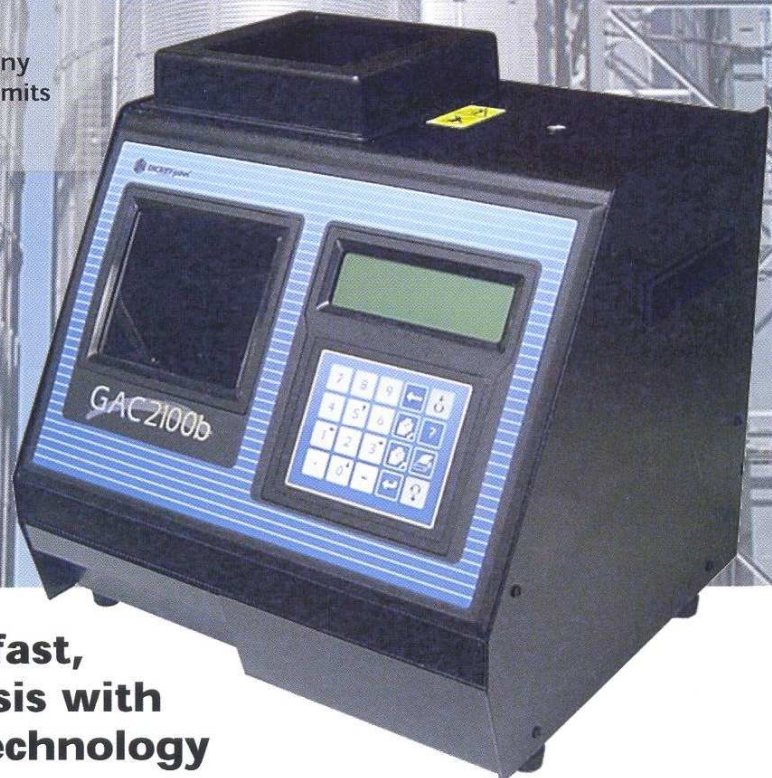


DICKY-john[®]
CORPORATION

GAC[®] 2100b Grain Analysis Computer

The GAC2100b features:

- Self-test before each moisture reading.
- 64-calibration memory, with user-defined "quick-keys" for automatic selection of most used grains.
- Automatic calibration selection through the whole moisture range.
- Automatic creation of sample identification number, test date & time for improved record keeping.
- Error messages warn the operator if any measured value is outside allowable limits of calibration.



The GAC[®] 2100b combines fast, fully automatic grain analysis with superior communications technology

DICKY-john's GAC2100b means increased reliability of moisture readings through fully automatic operation. Just pour the sample into the hopper, select grain type, and press the LOAD button. It's that simple!

Authorized as the U.S. Federal Standard



- Automatic loading and strike-off leveling ensure consistent sample size.
- Automatic sample weighing compensates for variations in test weight, which effects moisture readings, thereby eliminating the need for manual pre-weighing.
- Automatic temperature correction measures and compensates for variations in grain sample temperature.

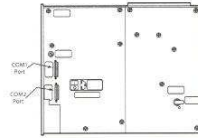
The GAC2100b is a sound investment in your grain and feed operations, with the features and capability to optimize your grain testing program today and the capacity to grow as technologies and calibration requirements change.

Automatic weighing, temperature compensation, and test cell loading/unloading, as well as no manual calculations or reading of charts combine to give you **virtually** hands-off testing. And that means highly reliable test results with no chance for human error.

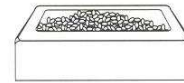
Calibrations can be updated without the need for a service person. Plus, the GAC2100b is capable of complete remote emulation for diagnostic testing without taking the unit out of service.**

A heavy-duty chassis and rugged design, plus the ability to tie in with a peripheral PC and/or modem means the GAC2100b will prove to be a profitable addition to your facility for many years to come.

Special Features



Two serial port interfaces



Grain Level Sensor (GAC2100b)



Level indicator simplifies setup

Technical Specifications

Performance

Measurement Method:	Capacitance, conductance, weighing device
Applications:	Corn, Soybeans, Wheat, Barley, Sorghum, Cereal Grains, Oilseeds, Beans, etc. Over 450 grain calibrations on file.
Measured Components:	Moisture Content: 0 to 50%*
Test Weight:	kgs/hl or lbs/bu**
Repeatability:	Moisture Content: ± 0. 1%*
Resolution:	0. 1 % moisture
Measurement Time:	GAC2100b: 16 seconds GAC2100b (auto mode): 30-second cycle

Instrument Data

Number of Calibrations:	Up to 64 stored in memory
Languages:	English, French, German, Spanish, Italian, Portuguese, Flemish and more
Display Format:	Large LCD (240 x 64 pixels)
Display Content:	Grain Name, Calibration Name, Moisture %, Sample Temperature, Approximate Density (Approximate Test Weight)
User Interface:	Menu driven
Date/Time:	Yes
Construction:	Painted steel, ABS plastic, polycarbonate

Installation Requirements

Operating Temperature:	NTEP: 5 to 45°C (41° to 113°F)
Humidity:	5 to 95% (non-condensing)
Power Supply:	85-264 Vac, 48-62 Hz
Power Consumption:	20 VA
Unit Dimensions:	(H x W x D) 16.25" x 15.25" x 16"
Weight:	27 lbs
Shipping Dimensions:	(H x W x D) 27" x 21" x 23"
Shipping Weight:	38 lbs

Grain Temperature:	NTEP: 0 to 45C (32° to 113°F)
Temp. Difference:	20°C (36°F), room to grain
Sample Presentation:	Whole Grain
Sample Size:	GAC2100b: 300-650 grams (cereal grains)
Temperature Compensation:	Yes*

Remote Interface (DB25M, RS-232C)

COM1: 20 or 80 column printer, up to 19200 baud, DCE	COM2: Computer, up to 19200 baud, DTE (null modem adapter required)-	Harsh Environment Serial Dot Matrix printer RS232 Null modem adapter
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* Depending on application
* Subject to state certification testing
** External phone modem required

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