

# agraTronix™

**The Worldwide Industry Standard**  
**Electronic Moisture Testers**

**40<sup>th</sup> Anniversary**

**ACCURATE.  
RELIABLE.  
AFFORDABLE.**



Products Designed and Assembled in the U.S.A.

Call toll-free: 1-800-821-9542  
or visit: [www.AgraTronix.com](http://www.AgraTronix.com)

# Non-Compaction Grain Moisture Tester with Test Weight

Moisture has the ability to cripple a whole year's worth of harvest if it is not checked from time to time. In fact, ignoring such a critical issue it can actually lead to –

- Additional costs if the harvested grain is wetter than is acceptable
- Loss of value for dried grain since it has to be sold for less
- Spoiling the grain if it happens to be too wet and is not stored properly

## Ag-MAC™ PLUS Grain Moisture Tester with Test Weight

30100

### Features

- Direct readout for 20 different grain scales
- Displays grain test weight (no pre-weighing)
- Measures moisture fast, easy, and accurately
- Non-compaction design with LCD display
- USB compatibility for updates of grain scales and firmware
- Automatic temperature compensation
- Hot corn up to 160° F (71° C)

### Specifications

- Moisture range: 6% - 45% depending on grain tested
- Temperature range: 32° - 122° F (0° - 50° C)
- Repeatability and accuracy:  $\pm 0.2\%$  in normal moisture range for stored grain
- Display resolution: 0.1% moisture
- 4 AA batteries included

### Accessories

Carrying case – 06080

USB Cable – 06067



Heavy-duty carrying case  
with shoulder strap included.



### Grains:

Barley 2R, Barley 6R, Corn, Millet, Oats, Rapeseed (Canola), Rye, Safflower, Sorghum (Milo), Soybeans, Sunflower Oil, Triticale, Wheat: Durum, Wheat: Hard Red Spring, Wheat: Hard Red Winter, Wheat: Soft Red Winter

**Most Accurate Tester  
in the Market**



# Portable Grain Moisture Testers

## MT-16 Grain Moisture Tester

08155



### Features

- Direct readout for 16 different grain scales - each scale adjustable to match local elevator
- Automatically averages up to 99 test results
- High frequency capacitive circuit with accurate temperature compensation circuit
- Used reliably by the USDA Federal Crop Insurance Field Office
- Protective carrying case with shoulder strap included

### Specifications

- Moisture range: 5% - 40% depending on grain tested
- Temperature range: 32° - 113° F (0° - 45° C)
- Repeatability and accuracy:  $\pm 0.5\%$  in normal moisture range for stored grain
- Display resolution: 0.1% moisture
- 9V battery required

### Accessories

Carrying case – **06052**

Replacement cap – **06061**



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### Grains:

Corn 5-21%, Corn 17-40%, Wheat-soft, Wheat-hard, Soybeans, Sorghum, Oats, Canola, Barley, Rye, Beans Paddy Rice, Flax, Safflower, Sunflower-oilseed, Sunflower-confect, Arbitrary Scale

### Additional Grains by Request:

Alfalfa, Black Pepper, Buckwheat, Cardamom, Chickpea, Faba Bean, Flaxseed (Linseed), Green Lentils, Milk Powder (4% Fat), Milk Powder (Fat Free), Milk Thistle, Millet, Mustard Seed, Peanuts, Poppy Seed, Radish, Raw Coffee, Red Fescue, Red Lentils, Rye Grass, Safflower, Seaweed, Spinach Seed, Teff, Wheat Flower, White Clover, White Lupine

## GMT-GRIND Grain Moisture Tester

08201



### Carrying case includes:

- Grinding Grain Moisture Tester
- Wire Cleaning Brush
- Sturdy Carry and Storage Case
- Operating Instructions

### Features

- Direct readout for 31 different grain scales
- Smallest sample size needed by any portable grain tester
- Individual offset adjustment by crop
- Illuminated LCD display with adjustable contrast and battery voltage indication
- Aluminum tester enclosure with accurate steel test cell
- Wire cleaning brush included to easily clean test cell
- Sturdy carrying and storage case included
- Ideal for pre-harvest decisions

### Specifications

- Temperature range: 32° - 122° F (0° - 50° C)
- Automatic average of the last four measurements
- Repeatability and accuracy:  $\pm 0.5\%$  in normal moisture range for stored grain
- Display resolution: 0.1% moisture
- 9V battery required

### Accessories

Cleaning brush – **08200**

Carrying case – **08205**



### Grains:

Barley, Winter Barley, Wheat, Buckwheat, Oats, Rye, Triticale, Peas, Corn, Beans, Rapeseed (Canola), Sunflower, Linseed, White Mustard, Red Clover, White Clover, Ryegrass, Soybeans, Wheat Flour, Spelt, Caraway, White Rice, Paddy Rice, Meadow Grass, Red Fescue, Durum Wheat, Meadow Fescue, Timothy, Rape (Turnip), Broad Bean, Millet

# Portable Grain Moisture Testers

## MT-PRO+ Grain Moisture Tester with Extra Features

05100

### Features

- Direct readout for 40 different grain scales
- 2.5" LCD display with selectable large or standard size fonts
- Low battery indicator and battery saver
- Illuminated, multilingual display - English, French, German, Italian, Portuguese, Spanish and Swedish

### MT-PRO+ additional features include:

- Larger LCD
- Backlit push-button interface for low light conditions
- Automatically averages selectable number of tests
- Stores averaged readings for all grains tested
- USB port for personalization (adding user name), grain scale and firmware updates and diagnostics
- If grain is above/below limit, will display what the limits are for that grain

### Specifications

- Moisture range: 5% - 40% depending on grain tested
- Temperature range: 32° - 113° F (0° - 45° C)
- Repeatability and accuracy:  $\pm 0.5\%$  in normal moisture range for stored grain
- Display resolution: 0.1% moisture
- Two 9V batteries required

### Accessories

Carrying case – **06053**

Replacement cap – **06061**

5' USB Cable – **06067**



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**MT-PRO+  
with  
FEATURES**

### Grains:

Alfalfa, Barley, Beet, Buckwheat, Canary, Clover: Purple, Clover: White, Corn, Dactyl, Fescue, Flax (Linseed), Lentils, Millet, Mustard, Navy Beans, Oats, Peanuts: Spanish, Peas: Fodder, Peas: Green, Peas: Yellow, Phleum, Popcorn: White, Popcorn: Yellow, Rapeseed (Canola), Rice: Long, Rice: Medium, Rye, Rye Grass, Safflower, Sorghum (Milo), Soybeans, Sunflower: Oil, Sunflower: Stripe, Triticale, Wheat: Durum, Wheat: Hard Red Spring, Wheat: Hard Red Winter, Wheat: Soft Red Winter, Wheat: White

## 1210 Silage and Grain Moisture Tester

01210

### Features

- Tests freshly chopped and ensiled silage within 1 minute
- Digital log reading with conversion chart for common silage types
- 100 plastic bags included to keep test cell clean

### Specifications

- Moisture range: silage: 30% - 75%; grain: 10% - 47%
- Repeatability:  $\pm 0.5\%$  in normal moisture range for stored grain
- Accuracy: within 1% for grain at normal stored moisture, 2% for silage under 50% moisture, 3% for silage over 50% moisture
- 9V battery required

### Accessories

100 Replacement Plastic Bags – **6801**

Thermometer – **6977**

Log Cards – **DOCU-C0003**



### Grains:

Shelled Corn, Soybeans, Peas, Wheat, Hard Wheat, Oats





# Portable Grain Moisture Testers

## MT-PRO Grain Moisture Tester

08125

### Features

- Direct readout for 40 different grain scales
- Tests high moisture grain up to 40 percent
- Single-point or precision multi-point calibration to match local elevator
- Built-in average button displays the average of saved test results
- Higher-frequency, capacitive circuit for greater accuracy
- Enhanced temperature compensation circuit
- Illuminated, multilingual display - English, Spanish, French, German, Italian, Portuguese and Swedish
- Includes protective carrying case with shoulder strap

### Specifications

- Moisture range: 5% - 40% depending on grain tested
- Temperature range: 32° - 113° F (0° - 45° C)
- Repeatability and accuracy:  $\pm 0.5\%$  in normal moisture range for stored grain
- Display resolution: 0.1% moisture
- Two 9V batteries required

### Accessories

Carrying case - **06053**

Replacement cap - **06061**



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**BEST  
SELLER**

### Grains:

Alfalfa, Barley, Beet, Buckwheat, Canary, Clover: Purple, Clover: White, Corn: High Moisture, Corn: Low Moisture, Dactyl, Fescue, Flax (Linseed), Lentils, Lupins: Yellow, Millet, Mustard, Navy Beans, Oats, Peanuts: Spanish, Peas: Fodder, Peas: Green, Peas: Yellow, Phleum, Popcorn: White, Popcorn: Yellow, Rapeseed (Canola), Rice: Long, Rice: Medium, Rye, Rye Grass, Safflower, Sorghum (Milo), Soybeans, Sunflower, Sunflower: Stripe, Triticale, Wheat: Durum, Wheat: Hard Red Spring, Wheat: Hard Red Winter, Wheat: Soft Red Winter, Wheat: White

## Portable Grain Kit MT-PRO and Grain Weight Scale

09110

### MT-PRO Grain Moisture Tester

- See MT-PRO specs above



The Most Cost  
Effective Product for  
Accurate Moisture  
and Grain  
Test Weight



### Hanging Grain Weight Scale

- 15.5 in. long
- Metric or standard weights
- Measures grain test weight (lbs. per bushel)
- Test range: 15 - 70 lbs. per bushel; 20 - 90 kg per hectoliters

### Accessories

MT-PRO - **08125**

MT-PRO carrying case - **06062**

Grain Weight Scale - **08170**

**ALL-IN-ONE**

### Complete kit includes:

- MT-PRO Grain Moisture Tester
- Hanging Grain Weight Scale
- Sturdy Carry and Storage Case
- Operating Instructions



# Portable Grain Moisture Testers

## COFFEE TESTER Grain Moisture Tester

08150

### Features

- Easy to operate
- Measures both green and parchment coffee beans
- Multiple sets of grain scales for customization of offsets by the operator
- Easy basic mode or advanced precision calibration mode to match local elevator table top moisture testers
- Averaging capabilities displays running average of tests
- Higher-frequency, capacitive circuit insures accuracy

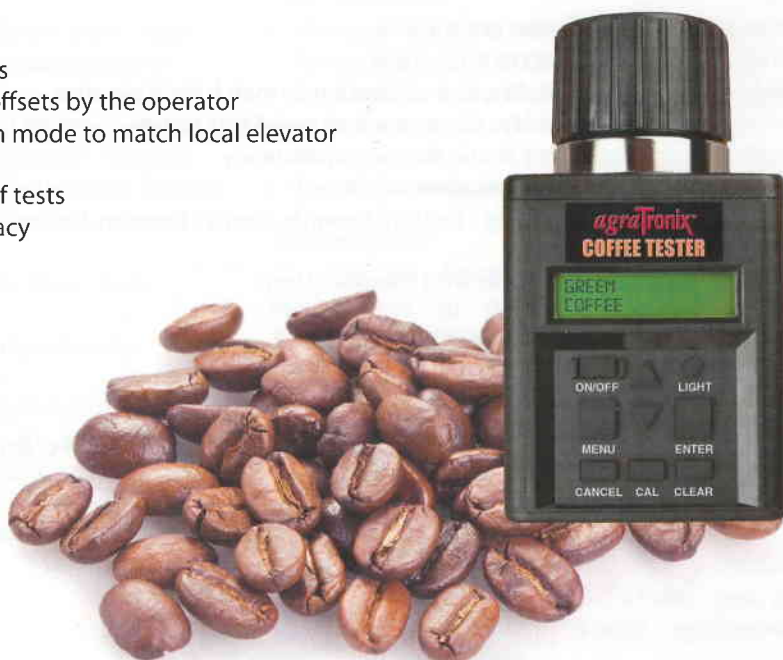
### Specifications

- Moisture range: green coffee - 7% - 35%  
parchment coffee - 8% - 38%
- Temperature range: 32° - 113° F (0° - 45° C)
- Repeatability and accuracy:  $\pm 0.5\%$  in normal moisture range for stored grain
- Display resolution: 0.1% moisture
- Two 9V batteries required

### Accessories

Carrying case – 06053

Replacement cap – 06061



### Grains:

Green Coffee, Parchment Coffee



Wile Cotton is used together with 07251, 20" probe

## Cotton Tester

07126

### Features

- Automatic temperature compensation;
- Calculation of average values;
- Easy to adjust calibration;
- Clear display with large easy to see numbers
- Tester enclosure and rugged 20" probe shaft

### Specifications

- Analyzed material: raw cotton (loose)
- Six calibrations for different types of loose raw cotton which differ by quality and amount of debris
- Moisture measurement range: 5.2 – 30%
- Accuracy:  $\pm 2\%$  moisture

### Accessories

Probe only – 07251







## WCT-1 Wood Chip Moisture Tester

08190

### Features

- Accurate results for wood chips, wood pellets, pellets and sawdust from chainsaw debris
- More reliable than the traditional pin method because the reading is taken throughout the wood sample and not just from the outer surface
- 9V battery required

### Moisture Range

- Chainsaw wood chips/sawdust: 15% - 65%
- Wood pellets: 4% - 23%
- Normal sawdust: 6% - 30%

### Accessories

Replacement cap – **06061**



## WCT-2 Wood Chip Moisture Tester

08191

### Features

- Measures the moisture content from piles of logging residue when creating energy
- Developed with the help of several governmental departments around the world
- Accurate results from the following types of burning logging residue: wood chips, logging residue chips, medium-sized logging residue chips, coarse logging residue chips
- 9V battery required

### Moisture Range

- Wood chips: 12% - 40%
- Logging residue/brush/slash: 30% - 70%

### Accessories

Dish probe only – **07253**



## TMT Tobacco Moisture Tester

08195

### Features

- Measures moisture content of three types of tobacco throughout the moisture range specified by tobacco industry standards
- Direct readout in 0.1% increments
- Automatic temperature compensation
- Tester enclosure and rugged 20" probe shaft
- Calculates the average value of several measurements
- 9V battery required

### Moisture Range

- Burley: 13% - 30%
- VFC: 13% - 30%
- Oriental: 10% - 20%

### Accessories

Probe only – **07251**



# Windrow Hay Moisture Testers

## WHY IS IT IMPORTANT TO TEST HAY MOISTURE PRIOR TO BALING?

Proper moisture levels during baling is essential to produce better quality hay and reduce economic losses. Baling hay at the correct moisture levels reduces mold development, and helps to preserve the color and feed value of hay.

Testing the moisture content of hay prior to the baling process is essential to both seller and buyer. Moisture in hay is considered in three different forms, free water, physically trapped water, and bound water. The free and physically trapped water can be evaporated given proper conditions which include solar radiation, relative humidity, and time.

At the time of baling the ideal moisture level is between 18 and 22 percent. Hay baled with higher moisture percentages can foster mold, resulting in loss, and in severe cases, damage as the accompanying heat can cause spontaneous combustion. Due to its importance, testing hay for moisture content is essential to the success for both the buyer and seller.

### WINDROW Hay Moisture Tester

07140

#### Features

- Only portable hay moisture tester available for use in the field before baling
- Quickly measures loose hay and forage from a windrow without committing the time and expense of using baling or chopping equipment before the hay is at the correct moisture levels
- Simple to use - add loose hay to a five-gallon bucket, insert tester probe and press a button

#### Specifications

- Moisture range: 13% - 70% depending on hay tested
- Testing time: 30 - 60 seconds
- Accuracy:  $\pm 2\%$  - 4%
- Display resolution: 0.1% moisture
- 9V battery required

#### Accessories

Dish probe only - 07253



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BEFORE BALING

# Baler-Mounted Hay Moisture Testers

## BALING YOUR HAY AT THE CORRECT MOISTURE LEVELS SAVES TIME AND MONEY

Testing for moisture does not end with the bale; testing occurs during and after baling. During the baling process the use of baler-mounted hay moisture testers, such as the AgraTronix BHT-1™ or BHT-2™, assures the producer that the hay is at the correct levels as it is being baled. Installation is simple and the results are displayed to the operator every two seconds or so.

### BHT-1 Baler-Mounted Hay Moisture Tester

07150

#### Features

- Direct readout for moisture % while baling hay with square or round balers
- Sturdy display module mounts in tractor cab and displays readings from sensor pad mounted in baler
- Averages updated and displayed every 3 seconds
- Built-in calibration button
- Illuminated LCD display

#### Specifications

- Moisture range: 8% - 40% depending on baler type
- Accurate throughout the normal range of stored hay
- Display resolution: 0.1% moisture

#### Accessories

BHT-1 Sensor Pad with hardware - 07157

25' Sensor Cable - 06065

10' Power Cable - 06066

10' Ext. Sensor Cable - 07158

BHT-1 Sensor Pad Kit - 07159

- Sensor pad with hardware
- 25' sensor cable
- Mounting bracket
- 10' power cable



DURING BALING



# Baler-Mounted Hay Moisture Testers

UPGRADED  
SENSOR PADS TO  
LAST LONGER!



**Best Selling  
Baler-Mounted Tester**



**FarmProgress Editors'  
Choice Award - May 2012**

## BHT-2 Advanced Baler-Mounted Hay Moisture Tester

**07160**

### Features

- Advanced multi-sensor technology for greater overall accuracy while baling hay with square or round balers
- Sturdy display module mounts in tractor cab and displays readings from sensors mounted in baler
- Averages updated and displayed every 3 seconds
- Illuminated LCD display and keypad
- $\pm$  Moisture offset adjustments
- Adjustable high/low limit of moisture reading
- Upgradable firmware and calibration curves via USB

### Accessories

BHT-2 Sensor Pad with hardware – **06063**

35' Sensor Cable – **06064**

10' Power Cable – **06066**

5' USB Cable – **06067**

BHT-2 Sensor Pad Kit – **07161**

- 2 sensor pads with hardware
- 2 - 35' sensor cables



### Specifications

- Moisture range: 8% - 30+% depending on baler type
- Accurate throughout the normal range of stored hay
- Display resolution: 0.1% moisture

### Product Includes:

- Display module
- 10' power cable
- 2 sensor pads with hardware
- 2 - 35' sensor cables
- USB cable
- Installation instructions

Check our website out for photos  
on where to mount the sensor  
pads on your baler,  
[www.agratronix.com](http://www.agratronix.com)



**TESTS SMALL SQUARE  
AND ROUND BALES**



# Portable, Probe-Style Hay Moisture Testers

## TESTING THE MOISTURE LEVELS OF STORED HAY

After the baling process, hay is stacked and awaits sale. Testing at this stage is vital for the same reasons that stood prior to the baling process. With a hand-held electronic probe tester, such as the AgraTronix HT-PRO™ or DHT-1™, you are able to simply insert the probe into the bale and determine its moisture level. Probes come in a variety of lengths, 18", 20", 24", and 32", giving you flexibility along with reliability.

As with hay that is in process, hay that has been baled is subject to a variety of conditions and/or circumstances that can affect the test results. Bale density should be considered when testing; a tighter bale will produce higher moisture levels which will be reflected in the results. The shape, the size, and the baler being used all have an effect on the test results. For example small, rectangular bales tend to be denser toward the bottom whereas large rectangular bales tend to be densest in their upper corners.

The "sweating" process which occurs naturally, and passes, can alter the results of a moisture test as can the use of preservatives. Preservatives will become absorbed in approximately 1 to 2 days however prior to that a result that is 2 to 4 percent higher is not unheard of. Even the type of hay tested can alter the results, if your tester is calibrated for alfalfa however the hay being tested is a grass, alfalfa mix the moisture level can vary. A simple matter of including conditions into your test results will result in better hay production.

### HT-PRO Hay Moisture Tester

20" Probe - 07120

10" Probe - 07121

#### Features

- 10" and 20" probe lengths available
- Includes calibration clip - less than 20 seconds to calibrate
- Above and below moisture limit indication
- Illuminated LCD display

#### Accessories

Calibration Clip - 07156



The First and Only Portable Hay Moisture Tester With A Calibration Clip

#### Specifications

- Moisture range: 8% - 44% depending on hay tested
- Temperature range: 32° - 225° F (0° - 107° C)
- Accurate throughout the normal range of stored, baled hay
- Display resolution: 0.1% moisture
- 9V battery required



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AFTER BALING





# Portable, Probe-Style Hay Moisture Testers

## DHT-1 Hay Moisture Tester

18" Probe – 07100 - **Best Seller**

24" Probe – 07101

32" Probe – 07102

### Features

- Direct readout for moisture % and temperature (°F and °C)
- Sturdy pistol-grip handle with extra-rugged probe shaft made from aircraft aluminum
- 3 models available: 18" (std.), 24" and 32" probe lengths

### Replacement Probes

18" Probe – Part No. **07018**

24" Probe – Part No. **07024**

32" Probe – Part No. **07032**

### Specifications

- Moisture range: 14% - 44% depending on hay tested
- Temperature range: 32° - 225° F (0° - 107° C)
- Accurate throughout the normal range of stored, baled hay
- Display resolution: 0.1% moisture
- 9V battery required



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# Soil Compaction Tester



## Soil Compaction Tester

08180

### Features

- Increases crop yield by measuring the extent and depth of soil compaction
- 24" stainless steel rod with adjustable shock collar to prevent damage
- Easy-to-read, color-coded, stainless steel dial that is liquid filled to reduce shock
- Durable molded housing with rubber grips
- Large and small tip included with convenient storage in tester housing
- Easy to store on wall or above workbench

### Specifications

- Penetration depth: up to 24" in 3" increments
- Green testing range (0-200 psi): good growing conditions
- Yellow testing range (200-300 psi): fair growing conditions
- Red testing range (300 psi and up): poor growing conditions
- Two tips included: 1/2" tip for firm soil, 3/4" tip for soft soil

### Replacement Tips

1/2" small tip – **08181**

3/4" large tip – **08182**

# Marketing and Sales Tools for Your Business



Check out our redesigned site at:

**[www.AgraTronix.com](http://www.AgraTronix.com)**

You'll find product information, manuals, contact information along with product software updates.



**agraTronix™** is the premiere manufacturer-supplier of moisture sensing equipment for the agricultural industry. We private label our moisture meters for several major tractor, combine and baler companies around the world. Always incorporating the latest technology, AgraTronix offers a wide range of high-quality, competitively priced products and is renowned as the worldwide industry standard for portable moisture sensing instrumentation.

Other great brands by AgraTronix:



SUPPLIED BY:



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