

*agra*Tronix™

Product Guide



Electronic Moisture Testers

Grain | Hay
Coffee | Cotton
Corn | Tobacco
Soil Compaction
Wood Chip

Premier Manufacturer of Moisture Sensing Equipment for the Agricultural Industry

NEW

Hay Moisture Testers

Advanced Hay, Straw, and Silage Tester

Part No.: **07105**

COMING SOON FOR 2017



Super bright outdoor-friendly display screen

Digital hay moisture tester with stainless steel tip that provides accuracy, speed, and durability.

Features:

- Measures 8-72% moisture content
- Automatic Density Compensation: The new tester will measure push force to determine whether its a high low density bale, then adjusts the moisture result for more precise accuracy
- Memory can store measurement results for up to 64 bales with a total of 1000 savable moisture and temperature readings
- USB port for updates and measurement results download
- Choice for hay or straw bales, separate mode for silage
- Rubber grip on handle allows for an easier push or pull out of probe in dense bales
- Continuous reading as you probe bale
- Durable stainless steel probe and tip
- Off-set calibration
- Backlit LCD screen
- Automatic shutdown



Straw



Silage



Hay

Hay Core Sampler

Part No.: **07190**

NEW PRODUCT FOR 2017



Features

- Developed by farmers for farmers and recommended for the fast and convenient extraction of core samples for testing purposes
 - Hay sample goes direct **from-bale-to-bag** with no mess or contamination from handling
 - The inside diameter of the shaft is 7/8" allowing samples to stay loose for easy bagging with the cleanout rod between samplings
 - Cleanout rod pushes up to 20 core samples into a 1-gallon zip-lock bag that is suspended from the protective shield
 - Shaft and connections are made of stainless steel
 - Sampling depth is 20"
 - Sampler can be used with either a 3/8" or 1/2" drill
- * Replaceable core sampler tip**

Temperature Probe

59" Probe - Part No.: **07125**



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Features

- Easily measure and manage the temperature of solid materials in the field or bin on the following materials:
Grain | Loose Hay or Forage | Grain and Forage Silo Bags | Mulch | Wood Chip / Pellets | And other similar solid materials

Specifications

- Temperature range 5°F to 158°F (-15°C to 70°C)
- 59 Inch probe length
- Choose between Fahrenheit or Celsius
- 10 Minute automatic shut-off



Grains



Mulch



Silo Bags



Loose Hay

Hay Moisture Testers

UPGRADED
SENSOR PADS.
STRONGER
MATERIAL
LASTS MORE
BALES.



**Best Selling
Baler-Mounted Tester**



FarmProgress Editors'
Choice Award - May 2012

BHT-2 Advanced Baler-Mounted Hay Moisture Tester

Part No.: **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

Windrow Hay Moisture Tester

Part No.: **07140**



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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.

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**

Hay Moisture Testers

BHT-1 Baler-Mounted Hay Moisture Tester

Part No.: **07150**

UPGRADED
SENSOR PADS.
STRONGER
MATERIAL
LASTS MORE
BALES.



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.

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

DHT-1 Probe-Style Hay Moisture Tester

18" Probe - Part No.: **07100 - Best Seller**

24" Probe - Part No.: **07101**

32" Probe - Part No.: **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

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

Replacement Probes

- 18" Probe - Part No. **07018**
- 24" Probe - Part No. **07024**
- 32" Probe - Part No. **07032**



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Hay / Specialty Moisture Testers

HT-PRO Probe-Style Hay Moisture Tester

20" Probe - Part No.: **07120**

10" Probe - Part No.: **07121**

Best Selling
Hay Testers



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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.

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



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

Accessories

Calibration clip - **07156**

Coffee Bean Moisture Tester

Part No.: **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%
cocoa - 4% - 20%
- 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**



Coffee

Beans: Green Coffee, Parchment Coffee, Cocoa

Corn Stove Moisture Tester

Part No.: **08160**



Features

- Easy to operate
- More accurate than scoop type testers
- Easy basic mode or advanced precision calibration mode to match local elevator table top moisture testers
- Averaging capabilities displays running average of tests
- Back light display
- Higher-frequency, capacitive circuit insures accuracy

Specifications

- Moisture range: 8% to 40% depending on grain tested
- Temperature range: 32° to 113°F (0° to 45°C)
- Repeatability & Accuracy: $\pm 0.5\%$ in normal moisture range for stored grain
- Display Resolution: 0.1% moisture
- Two 9V batteries not included



Corn

Accessories

Replacement cap - Part No. **06061**

Carrying case - Part No. **06053**

Specialty Moisture Testers

Cotton Moisture Tester

Part No.: **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



Wile Cotton is used together with 07251, 20" probe

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**



Cotton

Soil Compaction Tester

Part No.: **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**



Soil

Specialty Moisture Testers

TMT Tobacco Moisture Tester

Part No.: **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

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

Accessories

Probe only - **07251**



Tobacco

WCT-1 Wood Chip Moisture Tester

Part No.: **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**



Wood Chips

WCT-2 Wood Chip Moisture Tester

Part No.: **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**

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

Part No.: **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.



Corn

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

Grain Moisture Testers – Portable



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

MT-PRO+ Grain Moisture Tester with Extra Features

Part No.: **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 Grain Moisture Tester

Part No.: **08125**

BEST
SELLER



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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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

Grain Moisture Testers – Portable



MT-16 Grain Moisture Tester

Part No.: **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**



Clamshell Packaging

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

Part No.: **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

*** Did you know grinding is the most accurate method to test through the whole grain.**

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

Grain Moisture Testers – Portable



1210 Silage and Grain Moisture Tester

Part No.: **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**



Wheat

Grains:

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

Portable Grain Kit MT-PRO and Grain Weight Scale

Part No.: **09110**

MT-PRO Grain Moisture Tester

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

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**



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



Complete kit includes:

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

**ALL-
IN-ONE**

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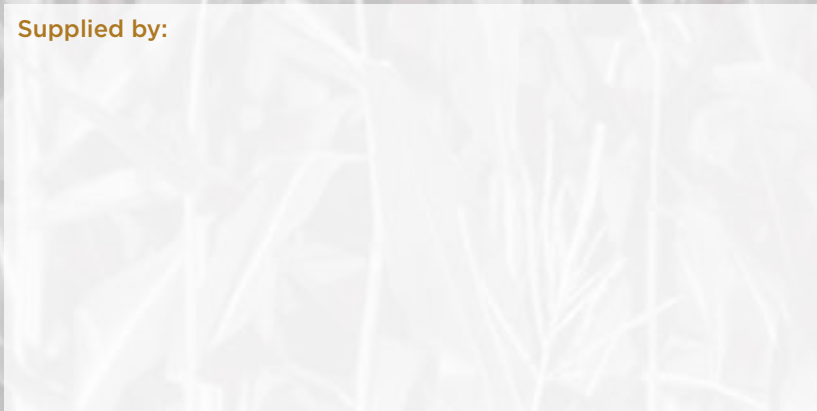
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