

Smart Grain Moisture Meter AMT155

User Manual



AMTAST USA INC

!!! Caution:

- 1) Must fill measuring cup full grains up to the brim.
- 2) For high accurate test, make sure grain, meter and surroundings temperature same. Meter calibration value is based on 20°C/68°F.
- 3) For video you can search AMTAST AMT155 in youtube.

Brief Introduction:

AMT155 Smart Grain Moisture Meter is a new designed portable moisture test meter, it can test 18 kinds grains moisture with fast reading, easy operation, pocket size and easy to carry.

Structure Diagram



Specifications:

1. Applications: Wheat, Maize, Japonica rice, Indica rice, Soybean, Rice, Sorghum, Rapeseed, Millet, Peanut, Barley, Sunflower seed, Coffee bean, Cocoa bean, Sesame, Flaxseed, Almonds, Cashews.
2. Measuring Range:
 - 1) Wheat: 9~38%
 - 2) Maize: 9~39%
 - 3) Japonica Rice: 8.5~40%
 - 4) Indica Rice: 8.9~30.4%
 - 5) Soybean: 8.9~33.4%

- 6) Rice: 10.4~26.4%
- 7) Sorghum: 8~35%
- 8) Rapeseed: 6.4~25.4%
- 9) Millet: 9.4~28.4%
- 10) Peanut: 5.4~18.9%
- 11) Barley: 9.4~26.4%
- 12) Sunflower Seed: 7.9~24.4%
- 13) Coffee Bean: 10~30%
- 14) Cocoa Bean: 4.5~17%
- 15) Sesame: 6.0~18.0%
- 16) Flaxseed: 4.5~18.0%
- 17) Almonds: 4.5~21.0%
- 18) Cashews: 4.5~15.0%
- 3. Adjust Range: -9.9% ~ +9.9%
- 4. Accuracy: 0.5%
- 5. Repeat Error: 0.2%
- 6. Working Temperature: 0 ~ 40°C
- 7. Automatic Temperature Compensation
- 8. Battery: 9V (6F22)
- 9. Auto off: 3 minutes.

Operation:

- 1. Press power key to turn meter on.
- 2. Press Set key, LCD will display "Select kind" and "Adjust moisture", in "Select kind" menu, press set again, then it will display the 18 kinds of grains, choose the right tested grains, press SET again to keep it, LCD will back to measuring mode.

IMPOTANT!

- 3. Fill the measuring cup 1/2 full with grain, gently shake the meter (grains will settle tighter in the measuring cup), then fill the measuring cup full grains up to the brim (total about 70ml). **Always make sure to fill the chamber/measuring cup full up to the brim/top**, otherwise when you press the cover, can not active the

sensor. Press with the cover slowly until the LCD display the tested value, then release the cover. If after press by cover, the grains not full again and can not read, please add more grains then test.

4. Remove the cover and sample inside, refill new sample again to test. After more than 2 times test, press SET key it will display the Average value of sample.
5. In measuring mode, press + key or – key can adjust the LCD brightness.
6. If out of range meter will display “LOW”.

Moisture Value Correction:

Due to different area the grains a little different, moisture maybe a little different, you can adjust it so that make the test more accuracy. Press SET key, and select “Adjust moisture”, choose the grains model, and increase or decrease the value by press + or – key. Then press SET key to keep it and LCD will back to measuring mode.

Maintenance and service:

1. Before use it, please keep the meter and tested grains in same place and make the temperature same. This can increase the accuracy of tested value.
2. Handle it with care.
3. Use good quality Alkaline battery, bad battery if leakage will damage the meter.
4. When clean the measuring cup, please use the brush and softly.
5. We provide one year quality limited guarantee but user’s wrong operation, damage, broken not cover. Please contact the local distributor or us for service.

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If need service please email us, we will try to reply to you ASAP.