GRAIN
MOISTURE METER

MS-G

VER.150C24F

Thanks for choosing our moisture meters!
For your easy to master this instrument as soon as possible, please read following instructions carefully and always keep this meter within easy reach.

The Grain Moisture Meter MS-G is used for fast and accurate measurement of moisture in the process of allotment, acquisition, storage, machining of packed grains, Barley, Corn, Hay, Oats, Rapeseed, Rough Rice, Sorghum, Soybeans and Wheat .

Resolution: 0.1
Accuracy: ± 0.5%n
Operating principle:
    Electrical conductivity, Automatic temperature Compensation
Power supply:
4x1.5 AAA size (UM-4) battery
Dimensions:
    main unit: 460×75×35mm
    sensor: 370x45x22mm
Weight: 265g

1.Features:
1.1 It is portable, compact, easy to use and the moisture measurement readings are instant.
1.2 Digital display with back light gives exact and clearly reading although you stay at the somber conditions.
1.3 It will save time and expense by monitoring dryness and helps to prevent deterioration & decay caused by moisture whilst in storage, therefore processing will be more convenient and efficient.
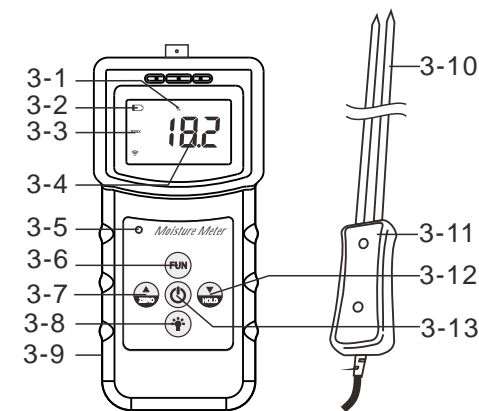1.4 The moisture meter has automatic temperature compensation.
1.5 Measurements are taken by inserting the sensors into the bale of wood powder related materials.
1.6 Manual off at any time. Auto power off after 5 minutes from last operation.

2.Specification
Display:4 digital LCD
Measuring range :
    3-80%(general)
    5-30%(special)
Operating conditions:
    Temperature:0-60°C
    Humidity: <90%RH

3.Panel descriptions

3-1 % symbol
3-2 low battery
3-3 max symbol
3-4 testing value
3-5 warning light
3-6 function key
3-7 zero/inc key
3-8 function key
3-9 backlight key
3-10 testing probes
3-11 handle
3-12 hold/dec key
3-13 power key

4.Operation procedure
4.1 Turn on the power key, the symbol "0.0"will be showed on display. It will need zeroing if showed other value, please depress ZERO key while the probe sensor without touch anything, or zeroing is not efficient. Zeroing can decrease the effect from the temperature and humidity in the air.
4.2 Hold the instrument with your hand, and then insert the probes into the grains straightly, the probes are more deeper ,

the value is more accurate.
4.3 Depress Hold key, the symbol "max"will be showed on display, then the max value must be stored on display when measuring process. Depress the Hold key again, this function will be canceled. when the grains is very dry and crisp, you can use this function to getting more accurate readings.
4.4Code choice
    There are 37 codes inside meter, the default code is Cd00. You can choose the suitable code for different

grain. Depress the FUN key and not release until the "CDXX" showed on display, then press "▲" or "▼" key to choose your needed code. Please refer to the table in 8.0

5.Warning setting
5.1 Depressing the FUN key and don't release until "AL2" showed on display(it will takes 7 seconds to complete operation), then press "▲" or "▼" to choose your suitable value according to your needs, press FUN key again back to the operation state.
5.2 Setting the "AL1" just the same ways as "AL2".

5.3 Usually ,"AL2"must larger than "AL1",if the "AL2" less than "AL1" during setting process, then the instrument will be returned back the factory setting, just to say,AL1=13,AL2=18.

6.Replace batteries
    When battery symbol showed on display, it must replace the batteries in time. Slide the batteries cover ,put the batteries into the hole correctly.

7.Notes:
7.1 Please take out the batteries if the instruments without use for a long time.
7.2 Put the probe in the air without touch anything when zeroing, or the zeroing is not efficient.
7.3 When the reading is big difference with the actual value, please depress FUN key and not release until "Adj" showed on display, then press "▲" or "▼" key to adjust the value, and then depress FUN key back to the measurement state.

8.Code table

CODE	GRAIN
Cd01	Wheat/Rye
Cd02	Maize/Corn
Cd03	Soya Beans
Cd04	Paddy
Cd05	Rice
Cd06	Barley/Oats
Cd07	Sorghum/Milo
Cd08	Buckwheat
Cd09	Peas
Cd10	Oilseed Rape
Cd11	Mustard Seed

CODE	GRAIN
Cd12	Sunflower seed
Cd13	Sugarbeet Seed
Cd14	Coffee
Cd15	Coffee Green
Cd16	Cocoa Beans
Cd17	Linseed
Cd18	Lentils
Cd19	Ground nuts Hulled
Cd20	Grass Seed/Rye grass
Cd21	Grass Seed/Cocksfoot
Cd22	Clover/White Seed

CODE	GRAIN
Cd23	Clover/Red Lucerne Seed
Cd24	Brassicas/ Brussels Sprout, Cabbage seed
Cd25	Beans/Tic /Winter
Cd26	Wheat/Rye (Ground)
Cd27	Paddy (Ground)
Cd28	Maize/Corn (Ground)
Cd29	Semolina

CODE	GRAIN
Cd30	Soya Beans (Ground)
Cd31	Barley/Oats (Ground)
Cd32	Coffee (Ground)
Cd33	Sorghum/Milo (Ground)
Cd34	Flax(Whole)
Cd35	Peas (Progreta) (Ground)
Cd36	Flour/Soft Wheat