Moisture Meter

TK100S

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 manual within easy reach.

The Moisture Meter TK100S is a high-tech testing instrument in our company. The newly designed moisture meter with extensive probes suits to many materials moisture content testing.

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 and decay caused by moisture whilst in storage, therefore processing will be more convenient and efficient.

1.4 The moisture meter operates by electrical conductivity and has automatic temperature compensation.

1.5 Measurements are taken by inserting the sensors into the bale of 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: 5-35% (CD00)
Operating conditions:
Temperature: 0-60°C
Humidity: 5%-70%RH
Resolution: 0.1
Accuracy: ± 0.5%n
Operating principle:
    Electrical conductivity
    Automatic temperature Compensation
Power supply: 4x1.5 AAA size (UM-4) battery
Dimensions: 18.3x3x1.4 inch
Weight: 203g (not including batteries)

3. Operation procedure

3.1 Please depress ⏻ key to turn on the moisture meter, 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. Make zeroing can decrease the effect from the temperature and humidity in the air.

3.2 Hold the instrument with your hand, insert the probes into the materials straightly, the probes are more deeper, the value is better.

3.3 Depress **HOLD** key, the symbol "max" will be showed on display, then the max value must be stored on display when measuring. Depress the **HOLD** key again, this function will be canceled.

3.4 Choose the suitable code for different grain. Depress the **FUN** key and not release until the "CHXX" showed on display, then press ▲ or ▼ key to choose your needed code.

3.5 When the reading is big difference with the actual value, please depress **FUN** key and not release until "CP" showed on display, then press ▲ or ▼ key to adjust the value, and then depress **FUN** key back to the measurement state.

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

4. Warning setting

4.1 Depressing **FUN** key and don't release until "BJ2" showed on display, then press ▲ or ▼ to choose your suitable value according to your needs, press **FUN** key again back to the operation state.

4.2 Setting the "BJ1" just the same ways as "BJ2".

4.3 Usually ,"BJ2"must larger than "BJ1",if the "BJ2" less than "BJ1" during setting process, then the instrument will be returned back the factory setting, just to say,BJ1=10,BJ2=20.

Notes:

Please take out the batteries if the instruments without use for a long time.

Put the probe in the air without touch anything when zeroing, or the zeroing is not efficient.

CH00	General type
CH01	Wheat/Rye
CH02	Rice
CH03	Maize/Corn
CH04	Soya Beans
CH05	Wheat flour