

Cotton MOISTURE METER

AM-128C

1. Product Description

* Suitable for packaging cotton allocation, purchase, storage, processing, etc
Rapid and accurate measurement of moisture in work.

* Has two display modes, namely digital display on LCD and LED
Status indication of luminescent tube.
Through the combination of the two displays, can help

An accurate and reliable assessment of the extent of the problem that water may cause Break.

* This instrument has automatic compensation function for temperature and humidity through the instrument
Zero calibration can automatically eliminate the influence of temperature and humidity on moisture measurement.

* This instrument is equipped with automatic shutdown to realize power saving function.

* The machine adopts durable preferred electronic components, and the shell is heavy Light and hard ABS plastic, beautiful and

1

machine; On the other hand, if no button is pressed within 10 minutes, the machine automatically shuts down,

To achieve power saving function.

Standard accessories:

- 1. Portable case..... 1
- 2. Instructions..... 1
- 3. Long rod sensor1

Optional accessory
USB Cable and software

4

generous shape.

* Can communicate with PC computers with optional USB software and cable,
To achieve data collection, processing, analysis and printing functions.

* Can store 99 sets of data by measuring the average, maximum and
The minimum value realizes the statistical function of the instrument.

2. Technical Parameters

Monitor: 4 bit 10 mm LCD and 1 bit color coded

LED, used to display values and moisture status.

Measurement range: 7-40%

Accuracy: $\pm(0.5\%n+1)$

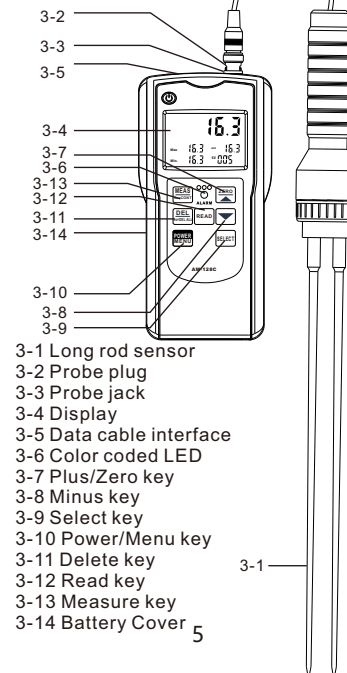
Resolution: 0.1

Power Supply: 4 # 7 batteries

PC interface: USB (Cable and software are optional)

2

3. Panel Descriptions



- 3-1 Long rod sensor
- 3-2 Probe plug
- 3-3 Probe jack
- 3-4 Display
- 3-5 Data cable interface
- 3-6 Color coded LED
- 3-7 Plus/Zero key
- 3-8 Minus key
- 3-9 Select key
- 3-10 Power/Menu key
- 3-11 Delete key
- 3-12 Read key
- 3-13 Measure key
- 3-14 Battery Cover

5

With low power display function

Operating conditions: Temperature: 0-50°C
(32~122°F)

Humidity: < 90%

Dimensions: Host: 140x70x31mm
Handle: 368x44x44mm
(14.5 x 1.7 x 1.7 inch)

Handle needle length: 290mm

Handle needle diameter: 6mm

Distance between two pins of handle: 14mm

Weight: 420g

The above weight includes the console and handle but does not include the battery

Shutdown: The instrument is equipped with two shutdown modes, namely manual shutdown and automatic shutdown. At any time, as long as press the power key when the display appears "OFF" to let go, you can manually turn off the power of the whole machine; On the other hand, if no button is pressed within 10 minutes, the machine

3

4. Measuring Procedure

4.1 Tap the power button to power on the system.

4.2 Insert the handle into the package cotton to be measured and press the measuring button. The moisture content in the cotton can be read on the monitor. (If you hold down the measurement button for 5 seconds, the measurement mode can be converted to continuous measurement mode)

4.3 Correct zero setting

Correct zero correction is an important step to ensure accurate measurement. It can eliminate the additional error caused by the change of ambient temperature, humidity and other parameters. The two needles of the instrument are suspended in the air on the display

Suspend the two measuring needles of the instrument in the air, and the reading on the monitor should be 0. Otherwise, gently press the key " Δ /ZERO" to make the reading on the monitor be 0 while ensuring the two measuring needles are suspended.

5. Statistics

The gauge calculates and displays a statistical analysis of readings as they are taken. The statistics available are:

6

TABLE OF CONTENTS

- 1. Product Description
- 2. Technical Parameters
- 3. Panel Descriptions
- 4. Measuring Procedure
- 5. Statistics
- 6. Storing And Recalling Readings
- 7. Deleting Readings
- 8. Alarm Limits
- 9. Considerations
- 10. Battery Replacement
- 11. Transferring Readings To A Computer

- * Last value
- * Mean value marked by Ave
- * Highest Reading marked by Max.
- * Lowest Reading marked by Min.
- * Number of Readings taken

To clear the statistical data when starting a new set of data, just press and release the Plus/Zero key. In the measurement mode marked by SV, last value could be deleted singly by pressing the Delete key and restatistics is calculated and displayed it self.

6. Storing And Recalling Readings

6.1 Readings taken are automatically saved to the memory of the gauge. The memorized data can be browsed by pressing and releasing the Read key to enter into the browsing state marked by "RD" on the display.

6.2 In the browsing state, all the readings memorized can be recalled on the display by depressing the Plus/Zero key or the minus key.

6.3 To delete singly a memorized value in the memory, just locate the reading to be deleted by the Plus/Zero key or Minus key, then press and release the Delete key. If there is an "Err0" on the display, it indicates there is no reading to delete any more.

7. Deleting Readings

7.1 To delete a reading on the display, just press the Delete key no mater in the measurement state marked " SV "or in the browsing state marked by " RD ". Go into the browsing state by pressing the Read key.

7.2 To delete all the readings in the memory, just depress the Delete key in the measurement state marked by " SV "on the display for about 5 seconds till the number of readings memorized becomes 0.

8. Alarm Limits

8.1 There is a coded colored LED indicating the status of moisture. It is controlled by 2 alarm limits. The factory settings are as follow.

AL1 =13 and AL2 =18

If the reading <AL1, the green LED is on.

If the reading >AL2, the red LED is on.

If the reading lies between AL1 and AL2, the yellow LED is on.

Users can change the alarm limits when as per their intention.

8.2 How to set the alarm limits

8.2.1 Depress Select key and not release it till 'AL1' 'AL2' appears on the Display. It is about 3 seconds from starting depressing the Select key.

8.2.2 Such value can be changed to your intend-ed Value by depressing the Plus/Zero key or Minus key. Depress the Select key to return to the state of measurement. If the second limit AL2 is less than the first limit AL1, the setting is invalid and the factory settings for AL1 and AL2 are restored to AL1=13 and AL2=18 automatically.

9. Considerations

9.1 The insertion depth of the needle measurement will directly affect the measurement results. In general, the deeper the depth, the greater the measured water value, so please pay attention to the consistency of the insertion depth.


9.2 This instrument is a high resistance instrument, and all parts have good insulation. When using and storing, please pay attention to moisture-proof and dustproof, and keep dry and clean, so as not to affect the accuracy of measurement.

9.3 During measurement, the needle should be read immediately after insertion. Over time, the data will gradually get smaller. This is due to the polarization of the cotton by the high pressure inside the instrument.

9.4 Due to the uneven distribution of water within the cotton, different sides of the same

cotton will contain different amounts of water, therefore. The results can be different.

10. Battery Replacement

10.1 When it is necessary to replace the battery, the battery symbol '  ' will appear on the display.

10.2 Slide the Battery Cover (3-4) away from the instrument and remove the batteries.

10.3 Install the batteries (4x1.5vAAA/UM-4) correctly into the case.

10.4 If the instrument is not used for a extended period, remove batteries.

11. Transferring Readings To A Computer

11.1 Install the software on your PC, please always click 'the continue' button in the install-ing process.

11.2 Connect your gauge to your PC using the optional cable.

11.3 Switch on your gauge and ensure the Read-ing Screen is displayed.

11.4 Start the software and follow the instructions included with the software Demo.EXE.