Drying Time Recorder

BEVS 1815

User Manual

Version 201412

This manual shall be read carefully before starting. Directions included in this operation manual shall be strictly followed.

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Content

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1 Company Profile

BEVS Industrial Co., Ltd. is a leading manufacturer that specializes in coatings, ink, painting, resin testing instruments and laboratory whole solution.

We offer the complete and unique products in this field to meet customer's challenging demands of today and tomorrow, the products are complied with the standards of ISO, ASTM, DIN, BS, EN etc.

With strong supports and hard work by lots of end-users and worldwide agents, BEVS become more and more famous in the world and provides more competitive values for our customers.

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2 Product Introduction

BEVS Drying Time Recorder is used for the test of drying time or gel behavior of a variety of paints and coatings. It has the characteristics of intuition and good reproducibility, and can accurately evaluate in all stages. The initiative design of touch screen control, customized user-defined start time and test time, make the operation more intuitive, simple.

2.1 Technical Specification

Dimension	550*530*200mm
Weight	30kg(body)
The number of tracks	10
Route or distance of travel	300
Driver	5 sets of motors, 2 track / motor
Drying Time	Standard track: 6,12,24,48 hours Custom track (track 1): in addition to the standard time, the user can customize the start and test time
Standard	ASTM D5895

3 Operation Introduction

3.1 Operating Environment

3.1.1 When using the instrument, should be paid attention to the following points.

3.1.1.1 Forbid the operation in too hot environment

3.1.1.2 Forbid the operation in too wet environment

3.1.1.3 Forbid the operation in vibration environment and keep the environment clean.

3.1.2 This instrument is used in the laboratory, the technical indicator of operation environment as following.

3.1.2.1 Temperature 10℃～35℃

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3.1.2.2 Humidity 15～85% No Condensation

3.2 Positioned Place

3.2.1 Put the instrument on the firm surface with suitable power plug.

3.2.2 Turn the operation panel to face the operator, make sure operator has enough space to control the instrument and put the sample in the holder.

3.2.3 Put the weight with suitable load on the instrument to make the needles can move freely.

3.2.4 Put gradienter in the sample holder to check the instrument whether be in the horizontal plane, if not, and then adjusts the position till the instrument is in the horizontal plane.

3.3 Power

Must use the power with the ground wire

3.4 Operation Guideline

3.4.1 Coat the glass strip with film applicator, and then put the coated glass on the track;

3.4.2 Place needles on the sample strip and place recorder bridge in starting position;

3.4.3 Connect the power supply and turn on the power switch（220V 50Hz）;

3.4.4 The welcome screen and select the language, as below Figure1:

Figure 1

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3.4.5 Enter the main interface to click the "ON" button of the track to start the test;

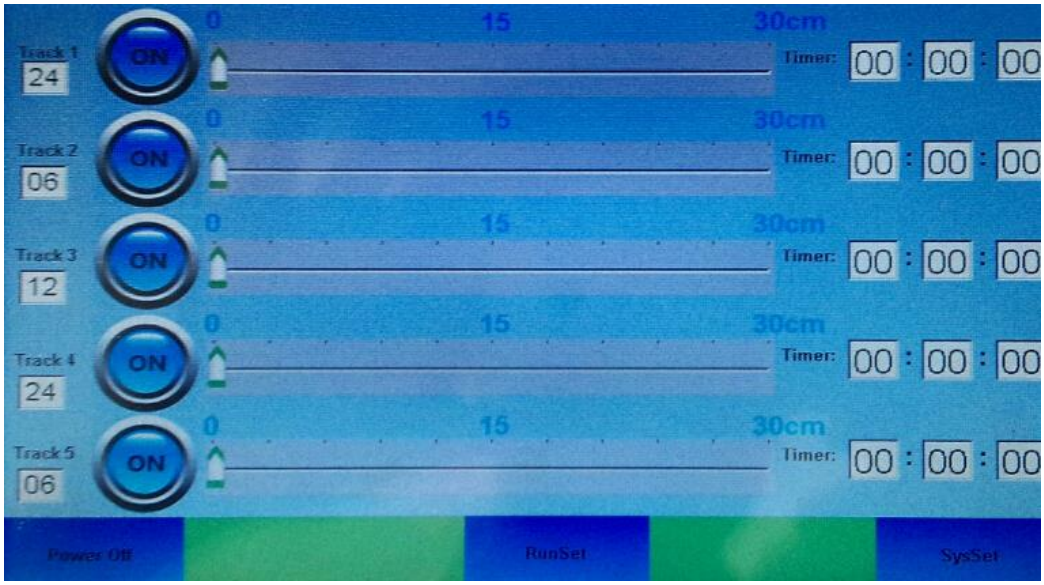


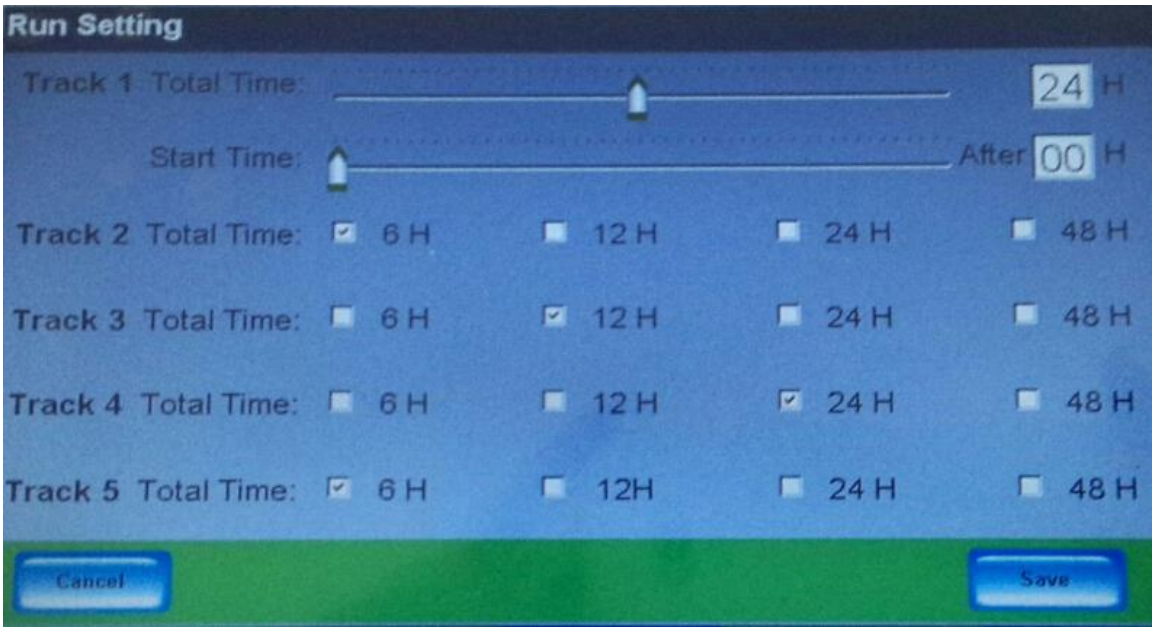
Figure 2

3.4.6 The display area will show the real-time distance and time in the track.
3.4.7 After the testing finished, observing the dry time of each phase with the help of 7 times magnifying glass.

3.5 Run Settings

3.5.1 Track 1 is a custom-track, the user can choose the starting time and the whole time of testing upon request;

3.5.2 Track 2-5 is the standard track, optional time can be 6, 12, 24, 48 hours.



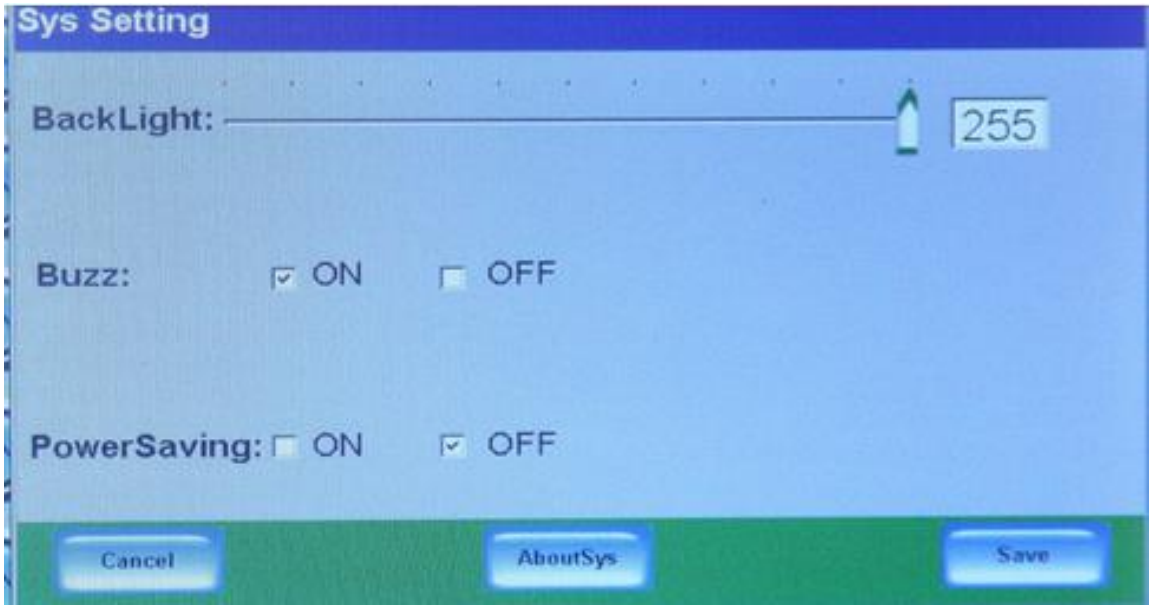
3.6 System Settings

3.6.1 Can change the screen brightness by adjusting “BackLight”

3.6.2 Open or close the buzz

3.6.3Choose “ON” of Power Saving, if the user does not click on the screen for a long time ,the device will go into standby status ,and turn off the screen backlight.

3.6.4 All settings must be saved before the effective, if not saved directly back to the previous menu, all settings are invalid.



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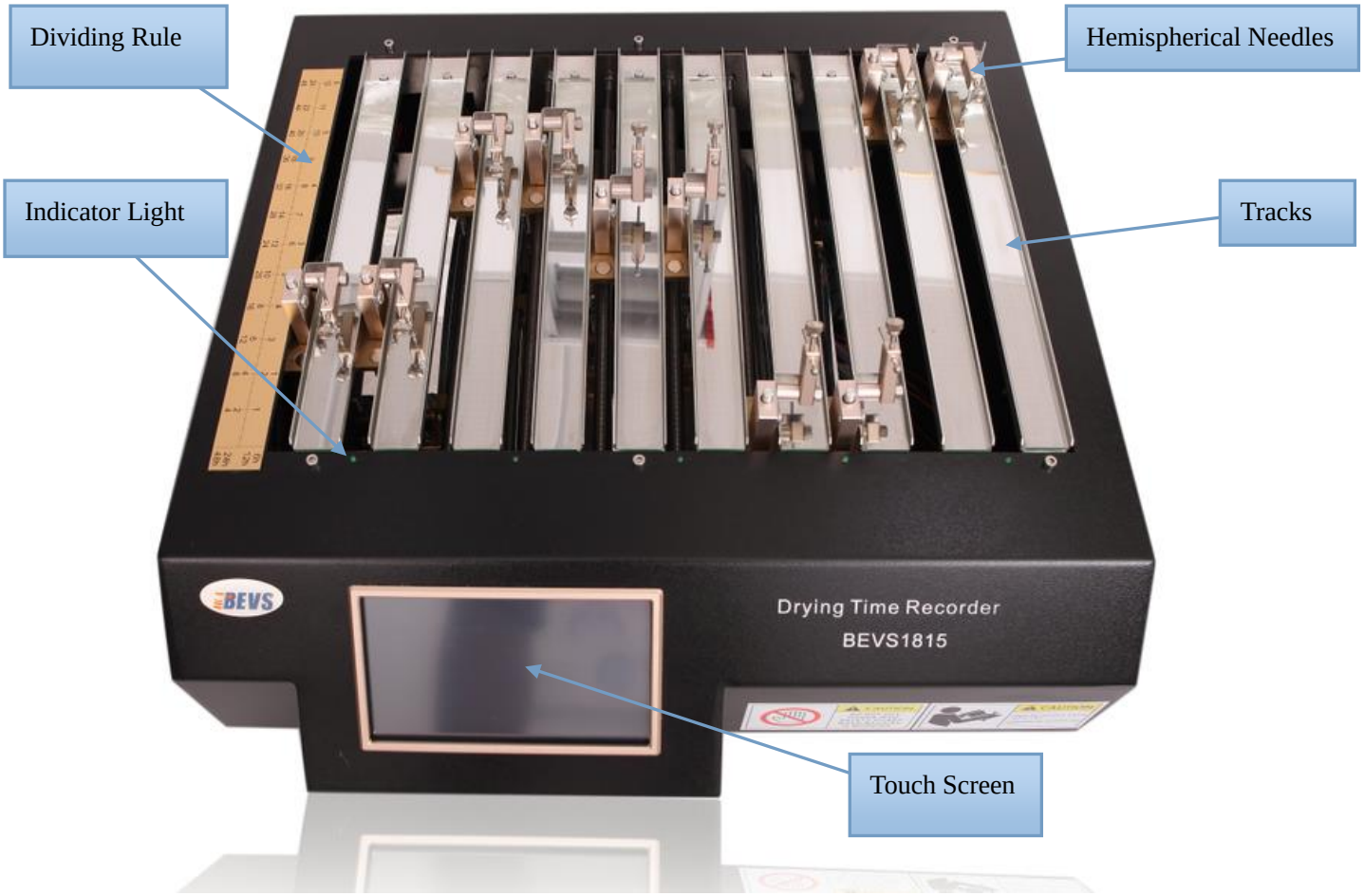
3.7 Construction



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4 Maintenance

4.1 Regular maintenance is necessary

4.2 Make sure that the instrument is in off status and the power is in outage status

4.3 Timely cleaning the residual stains on the tracks.

4.4 Clean with the soft cloth, forbid to use the chemical reagent with corrosive

5 Attention

5.1 Read the user manual carefully before operation

5.2 Keep the operation manual for the future reference

5.3 Learn more about the safe operation details

5.4 Not allow to operate in potential explosive environment and in liquid status

5.5 Must operate in the horizontal table

5.6 Not allow to touch the inner part when the instrument is working

6 Packing List

No.	Name	Item/Specification	Unit	Quantity
1	Drying Time Recorder	BEVS 1815	set	1
2	Power lead		pc	1
3	User Manual		pc	1
4	Certificate of conformity		pc	1
5	Touch Pen		pc	1

7 Order Information

BEVS 1815 Drying Time Recorder

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