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Y111 Roller Type Fiber Length Tester





MODEL NO.

Y111

Application:

This tester can measure cotton fiber length in groups according to the distribute character of fiber length. With the help of roller pincers to control the long and short fibers and make grouping and isometric weight test. During the test, the sample fiber bundle should be pretreated to make it trim on one end and then be clamped closely by roller pincers. With rotation of roller, the short fibers will get out first then the longer fibers. The weight measurement will be done according to these separate fiber groups. By data computation we can know the data of fiber length distribution, the principal part length, the qualified length, average length, radices, short fiber equality, etc.

Related Standards:

STANDARDS

GB/T6098

Note: this tester can conform to but not limit to all the standards above, for more standards conformance, please contact us.

Specifications and tech. index:

1. Fiber draw-off unit

- Diameter of front roller: $\phi 8\text{mm}$
- Diameter of rear roller: $\phi 16\text{mm}$
- Diameter of covered roller: $\phi 17\text{mm}$
- Diameter of velvet lap roller: $\phi 66\text{mm}$
- Spacing between the input roller and output roller: 16mm~60mm
- Dimension: 205×150×240 mm
- Weight: 6.3kg

2. Fiber analyzer

- Diameter of input roller: $\phi 19.1\text{mm}$
- Diameter of rubber roller: 12mm
- Diameter of fiber roller: 10mm



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- Spring of analyzer:70N
- Dimension:145×120×190mm
- Weight:1.8kg

Standard configuration:

No.	Item	Quantity
1	Fiber draw-off unit	1 set
2	Fiber analyzer	1 set
3	Box	1 set

Optional Accessories:

No.	Item	Function
1	No.1 grip	Used to arrange the bunch of the cotton
2	No.2 grip	Used to clip the fiber from the analyzer
3	Needle	Used to tear the cotton from roller of the fiber draw-off unit
4	Tweezers	Used to peel the trash cotton
5	Board	Arrange the bunch of the cotton on it
6	Press cotton board	Used to press the fiber when arrange the bunch of the cotton
7	l up wood	Used to make the bunch of the cotton level
8	Black board	Used to set up the bunch of the cotton or fiber
9	Thin comb	Comb the cotton
10	Thick comb	Comb the cotton
11	Calculate plate	To calculate the weight of the fiber