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FANYUAN INSTRUMENT (HF) CO., LTD.
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KX730 FIBROGRAPH



Sampling catcher

Accessories



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MODEL NO.

KX730

APPLICATION

FIBROGRAPH is used to determine cotton fiber mean length, upper half mean length and uniformity index by photo-electric method.

This instrument is designed according to random distribution theory of cotton fiber length, and the theory of that light intensity through fiber bundle has a negative relation with fiber number within fiber bundle cross section.

STANDARDS

Table with 4 columns: Standard, GB1103, GB/T 13781, ISO 4913, ASTM D1447

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



FEATURES

- Use PC on-line technology, and get cotton fiber length shadow curve, fiber mean length, upper half mean length and uniformity index, etc.
- CPU generates trigger plus to control step motor speed, and drive sampling comb with required step-size, easy to control data frequency;
- High quality LED light source, sensitive silicon photocell to receive light signal, simple operation;
- PC auto process data, generate fiber length curve after post-fitting, and then get cotton fiber mean length, upper half mean length, uniformity index and short fiber content;
- Calibration instrument by computer, and create database (storage, inquire, print, etc);
- Special designed sampling device, easy to sample.
- Fast test speed, test one test result only need 20~30s.

KEY SPECIFICATION

- Length range of cotton fiber 18mm ~42mm
- Tolerance of fiber length ±0.5mm
- Tolerance of uniformity ±1.5%
- Sample quantity 10~50mg (permeation rate 10%~30%)
- Sample step range 550~950, ±5
- Power 220V ±10%, 50Hz
- Dimension 500×240×180mm
- Weight 5kg(main machine)

STANDARD CONFIGURATION

No.	Item	Quantity
1	Main machine with PC port	1set
2	Sampling catcher	1set
3	Sampling comb	2pcs
4	Clean-up brush	1pcs
5	Hair brush	1pcs
6	Standard length ruler	1pcs
7	Standard optical calibration board	1pcs
8	Software	1CD



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OPTIONAL ACCESSORIES

No.	Item	Quantity
1	Computer and software	1set
2	ISO standard calibration cotton	1set