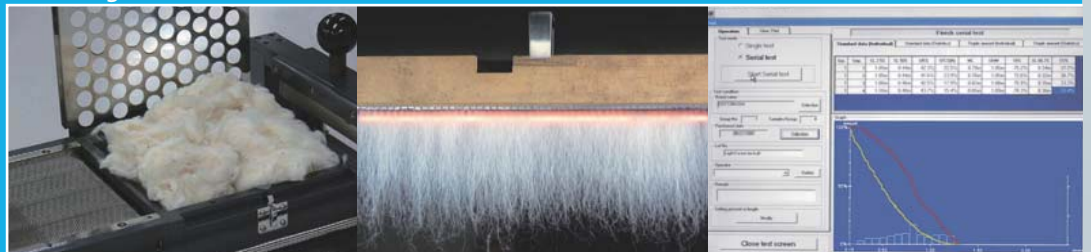


KEISOKKI CLASSIFIBER

model KCF-V/LS

Fiber Length Distribution Tester



CLASSIFIBER KCF-V/LS

CLASSIFIBER is a fiber length distribution tester for short natural and synthetic fibers up to 80 mm.

CLASSIFIBER accurately measures fibers nipped on the sampler comb by an optical method and automatically plots the Fibrogram, and then also the staple diagram and the histogram.

CLASSIFIBER Model KCF-V/LS is operated through a Windows PC. All the fiber length distribution measurements obtained are sent to, displayed on and saved into the Windows PC.



What are obtained from KCF-V/LS?

Graphic data from each individual test

- Fibrogram
- Staple diagram
- Histogram

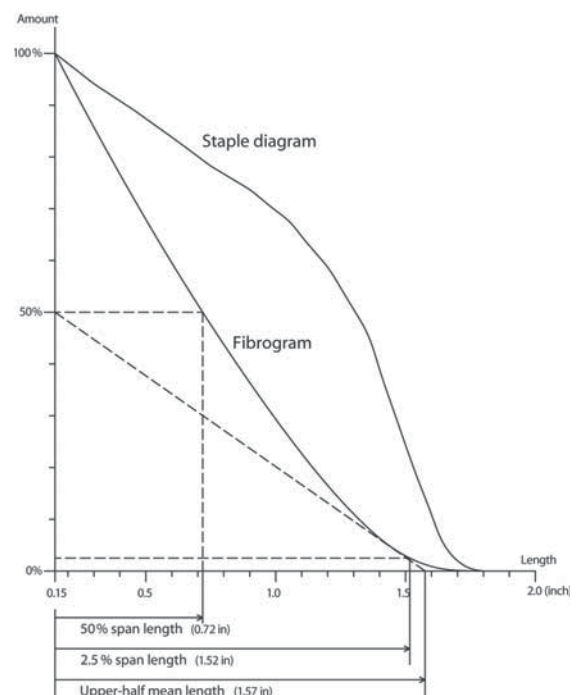
Numerical data from each individual test

- Mean length (ML)
- Upper-half mean length (UHM)
- 2.5% span length (SL 2.5%)
- 50% span length (SL 50%)
- 66.7% span length (SL 66.7%)
- Uniformity ratio (UR%)
- Uniformity index (UI%)
- Short fiber content (SFC%)
- L-percent and S-percent of fiber length

Statistics

- Mean
- Minimum (Min.)
- Maximum (Max.)
- Range (R)
- Standard deviation (s)
- 95% confidence limits (Q95%)

Fibrogram and Staple diagram

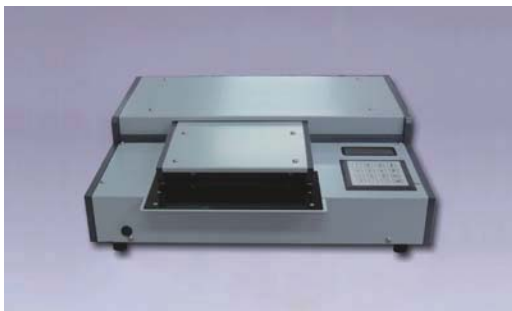


CLASSIFIBER KCF-V/LS measures a fiber tuft or beard nipped on the sampler comb to plot the Fibrogram, from which the staple diagram is plotted. The Fibrogram geometrically describes useful length characteristics of the fiber population, for example, upper-half mean length, 50% span length, 2.5% span length, etc.

Components

Standard components

- Measuring unit : KCF/LS-ME



- Flat carding sampler : KCF/LS-SP



- Accessories : KCF/LS-AC



PC system

- Windows OS 7, 8 or 10 (English ver.) fitted with serial port for RS232C
- Display unit (color, 1024 x 768 pixels)
- English keyboard and mouse
- Laser printer

*Users are kindly asked to prepare the PC system at their local markets. If impossible, the manufacturer can provide it.

*Windows must be English version. Otherwise, the operation of KCF-V/LS is not guaranteed.



Options

- Sliver sampler : KCF/LS-SS



Technical data

| | |
|------------------------------|--|
| Maximum fiber length: | 80 mm |
| Unit of length: | inch and mm |
| Testing time: | approx. 20 sec/test |
| Measuring system: | optical method |
| Light source: | homogeneous light by linear filament lamp |
| Size and weight: | KCF/LS-ME 490(W) x 130(H) x 420(D) mm and approx. 14 Kg KCF/LS-SP 600(W) x 190(H) x 275(D) mm and approx. 11.5 Kg |
| Power supply: | 85-265 Vac and 47-63 Hz |

Printout

Kaisokki KCF-WLS version 1.0.4 (Full Scale version) COTTON-USA Page 6

Group No.: 3
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 3 27.7mm 11.6mm 42.5% 15.1% 20.7mm 27.3mm 15.8% 8.7mm 34.4%
 5.0% 10.0% 15.0% 20.0% 25.0% < 6.0mm < 12.0mm < 18.0mm < 24.0mm < 30.0mm
 32.0mm 30.4mm 28.6mm 27.2mm 25.8mm 0.0% 12.7% 42.8% 67.4% 88.8%

Kaisokki KCF-WLS version 1.0.4 (Full Scale version) COTTON-USA Page 1

KEISOKKI KOGYO CO.,LTD.
 Purchased date : 08/27/2007 Lot No. : Light Ka-ten be-kuB
 Test date : 11/26/2007 12:53 Print date : 11/26/2007 15:23
 Operator :
 Remark :

Group No.: 1
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 1 27.6mm 11.9mm 43.1% 18.7% 20.9mm 27.0mm 15.6% 8.8mm 36.6%
 5.0% 10.0% 15.0% 20.0% 25.0% < 6.0mm < 12.0mm < 18.0mm < 24.0mm < 30.0mm
 31.2mm 29.8mm 28.3mm 27.0mm 25.7mm 0.0% 15.1% 40.6% 68.8% 90.6%

Kaisokki KCF-WLS version 1.0.4 (Full Scale version) COTTON-USA Page 1

KEISOKKI KOGYO CO.,LTD.
 Purchased date : 08/27/2007 Lot No. : Light Ka-ten be-kuB
 Test date : 11/26/2007 12:53 Print date : 11/26/2007 15:23
 Operator :
 Remark :

Staple amount data
 Group No.: 1
 No. 5.0% 10.0% 15.0% 20.0%
 1 31.2mm 29.8mm 28.3mm 27.0mm
 2 31.9mm 30.1mm 28.6mm 27.2mm
 3 32.4mm 30.6mm 29.0mm 27.5mm
 4 32.0mm 30.2mm 28.6mm 27.0mm

Kaisokki KCF-WLS version 1.0.4 (Full Scale version) COTTON-USA Page 1

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 Test date : 11/26/2007 12:53 Print date : 11/26/2007 15:23
 Operator :
 Remark :

Group No.: 1
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 1 27.6mm 11.9mm 43.1% 18.7% 20.9mm 27.0mm 15.6% 8.8mm 36.6%
 5.0% 10.0% 15.0% 20.0% 25.0% < 6.0mm < 12.0mm < 18.0mm < 24.0mm < 30.0mm
 31.9mm 30.1mm 28.6mm 27.5mm 26.4mm 0.0% 16.6% 40.3% 66.8% 89.6%

Kaisokki KCF-WLS version 1.0.4 (Full Scale version) COTTON-USA Page 1

KEISOKKI KOGYO CO.,LTD.
 Purchased date : 08/27/2007 Lot No. : Light Ka-ten be-kuB
 Test date : 11/26/2007 12:53 Print date : 11/26/2007 15:23
 Operator :
 Remark :

Group No.: 2
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 1 30.8mm 29.0mm 27.4mm 26.2mm
 2 31.8mm 30.2mm 28.4mm 27.2mm
 3 32.7mm 31.0mm 29.3mm 27.7mm
 4 31.4mm 29.7mm 28.2mm 26.8mm

Kaisokki KCF-WLS version 1.0.4 (Full Scale version) COTTON-USA Page 1

KEISOKKI KOGYO CO.,LTD.
 Purchased date : 08/27/2007 Lot No. : Light Ka-ten be-kuB
 Test date : 11/26/2007 12:53 Print date : 11/26/2007 15:23
 Operator :
 Remark :

Group No.: 3
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 1 30.6mm 29.0mm 27.7mm 26.2mm
 2 30.4mm 28.9mm 27.5mm 26.4mm
 3 32.0mm 30.4mm 28.8mm 27.7mm
 4 31.6mm 29.8mm 28.3mm 27.0mm

Kaisokki KCF-WLS version 1.0.4 (Full Scale version) COTTON-USA Page 1

KEISOKKI KOGYO CO.,LTD.
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 Test date : 11/26/2007 12:53 Print date : 11/26/2007 15:23
 Operator :
 Remark :

Group No.: 1
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 1 27.4mm 11.3mm 41.2% 20.1% 20.0mm 26.8mm 14.6% 8.5mm 37.5%
 2 27.7mm 11.6mm 41.2% 24.3% 20.0mm 27.5mm 15.8% 9.1mm 37.7%
 3 28.1mm 12.2mm 43.4% 14.4% 21.1mm 28.1mm 15.1% 8.7mm 33.1%
 4 27.6mm 12.0mm 43.5% 15.8% 20.9mm 27.5mm 16.0% 8.5mm 33.0%

Kaisokki KCF-WLS version 1.0.4 (Full Scale version) COTTON-USA Page 1

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 Test date : 11/26/2007 12:53 Print date : 11/26/2007 15:23
 Operator :
 Remark :

Group No.: 2
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 1 27.7mm 11.9mm 42.8% 17.2% 20.7mm 27.5mm 15.3% 8.8mm 30.9%
 2 27.5mm 11.3mm 41.1% 13.2% 19.9mm 27.3mm 12.9% 8.4mm 30.9%
 3 27.7mm 11.8mm 42.6% 15.1% 20.7mm 27.3mm 15.8% 8.7mm 34.4%
 4 28.1mm 12.4mm 44.1% 15.4% 21.5mm 28.0mm 16.8% 9.1mm 34.0%

Kaisokki KCF-WLS version 1.0.4 (Full Scale version) COTTON-USA Page 1

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Group No.: 3
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 1 27.7mm 11.9mm 42.8% 17.2% 20.7mm 27.5mm 15.3% 8.8mm 30.9%
 2 27.5mm 11.3mm 41.1% 13.2% 19.9mm 27.3mm 12.9% 8.4mm 30.9%
 3 27.7mm 11.8mm 42.6% 15.1% 20.7mm 27.3mm 15.8% 8.7mm 34.4%
 4 28.1mm 12.4mm 44.1% 15.4% 21.5mm 28.0mm 16.8% 9.1mm 34.0%

Kaisokki KCF-WLS version 1.0.4 (Full Scale version) COTTON-USA Page 1

KEISOKKI KOGYO CO.,LTD.
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 Operator :
 Remark :

Standard data
 Group No.: 1
 No. SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 1 27.3mm 11.6mm 42.5% 17.8% 20.4mm 27.0mm 15.6% 8.6mm 35.3%
 2 27.6mm 11.9mm 43.1% 18.7% 20.9mm 27.6mm 15.7% 8.8mm 36.4%
 3 28.1mm 12.2mm 43.4% 14.4% 21.7mm 27.9mm 17.8% 9.0mm 34.3%
 4 28.2mm 12.3mm 43.6% 16.1% 21.5mm 28.1mm 16.5% 9.1mm 33.7%

Group evaluation
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 n 4 4 4 4 4 4 4 4 4 4 4
 Mean 27.8mm 12.0mm 43.2% 16.8% 21.1mm 27.7mm 16.4% 8.9mm 35.0%
 Min. 27.3mm 11.6mm 42.5% 14.4% 20.4mm 27.0mm 15.6% 8.6mm 33.7%
 Max. 28.2mm 12.3mm 43.6% 18.7% 21.7mm 28.1mm 17.8% 9.1mm 36.6%
 R 0.9mm 0.7mm 1.1% 4.3% 1.3mm 1.1mm 2.2% 0.5mm 2.9%
 s 0.4 0.3 0.5 1.9 0.6 0.5 1.0 0.2 1.3
 Q95% 0.7 0.5 0.8 3.0 0.9 0.8 1.6 0.4 2.0

Group No.: 2
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 1 27.4mm 11.3mm 41.2% 20.1% 20.0mm 26.8mm 14.6% 8.5mm 37.5%
 2 27.7mm 11.6mm 41.2% 24.3% 20.0mm 27.5mm 15.8% 9.1mm 37.7%
 3 28.1mm 12.2mm 43.4% 14.4% 21.1mm 28.1mm 15.1% 8.7mm 33.1%
 4 27.6mm 12.0mm 43.5% 15.8% 20.9mm 27.5mm 16.0% 8.5mm 33.0%

Group evaluation
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 n 4 4 4 4 4 4 4 4 4 4 4
 Mean 27.7mm 11.7mm 42.3% 18.7% 20.5mm 27.5mm 14.7% 8.7mm 33.0%
 Min. 27.4mm 11.3mm 41.2% 14.6% 20.0mm 26.8mm 14.6% 8.5mm 37.5%
 Max. 28.1mm 12.2mm 43.4% 24.3% 21.1mm 28.1mm 16.0% 8.7mm 37.7%
 R 0.7mm 0.9mm 2.2% 9.7% 1.1mm 1.3mm 2.9% 0.4mm 4.7%
 s 0.3 0.4 1.3 4.4 0.6 0.5 1.2 0.2 2.6
 Q95% 0.5 0.7 2.1 7.0 0.9 0.8 1.9 0.3 4.2

Group No.: 3
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 1 27.5mm 11.3mm 41.1% 25.2% 19.9mm 27.3mm 12.9% 8.4mm 30.9%
 2 27.5mm 11.3mm 41.1% 13.2% 19.9mm 27.3mm 12.9% 8.4mm 30.9%
 3 27.7mm 11.8mm 42.6% 15.1% 20.7mm 27.3mm 15.8% 8.7mm 34.4%
 4 28.1mm 12.4mm 44.1% 15.4% 21.5mm 28.0mm 16.8% 9.1mm 34.0%

Group evaluation
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 n 4 4 4 4 4 4 4 4 4 4 4
 Mean 27.7mm 11.9mm 42.8% 17.2% 20.7mm 27.5mm 15.3% 8.8mm 34.0%
 Min. 27.5mm 11.3mm 41.1% 13.2% 19.9mm 27.3mm 12.9% 8.4mm 30.9%
 Max. 28.1mm 12.4mm 44.1% 25.2% 21.5mm 28.0mm 16.8% 9.1mm 36.6%
 R 0.6mm 1.1mm 3.6% 12.0% 1.6mm 1.3mm 4.9% 0.8mm 6.8%
 s 0.3 0.5 1.3 5.4 0.7 0.3 1.7 0.3 2.3
 Q95% 0.5 0.7 2.0 8.6 1.0 0.5 2.7 0.5 3.7

Total evaluation
 SL 2.5% SL 50% UR% SPC1(N) ML URM UR% SL 66.7% CV%
 n 12 12 12 12 12 12 12 12 12 12 12
 Mean 27.7mm 11.9mm 42.8% 17.6% 20.8mm 27.6mm 15.5% 8.7mm 34.8%
 Min. 27.3mm 11.3mm 41.1% 13.2% 19.9mm 26.8mm 12.9% 8.3mm 30.9%
 Max. 28.2mm 12.4mm 44.1% 25.2% 21.5mm 28.1mm 17.8% 9.1mm 37.7%
 R 0.9mm 1.1mm 3.0% 12.0% 1.8mm 1.3mm 4.9% 0.8mm 6.8%
 s 0.3 0.4 1.0 3.9 0.6 0.4 1.4 0.3 2.0
 Q95% 0.2 0.2 0.7 2.5 0.4 0.3 0.9 0.2 1.3

*The specifications and design are subject to change without notice.

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