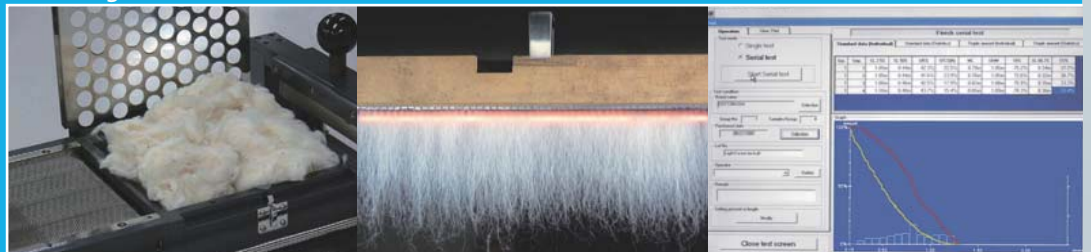


# KEISOKKI CLASSIFIBER

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

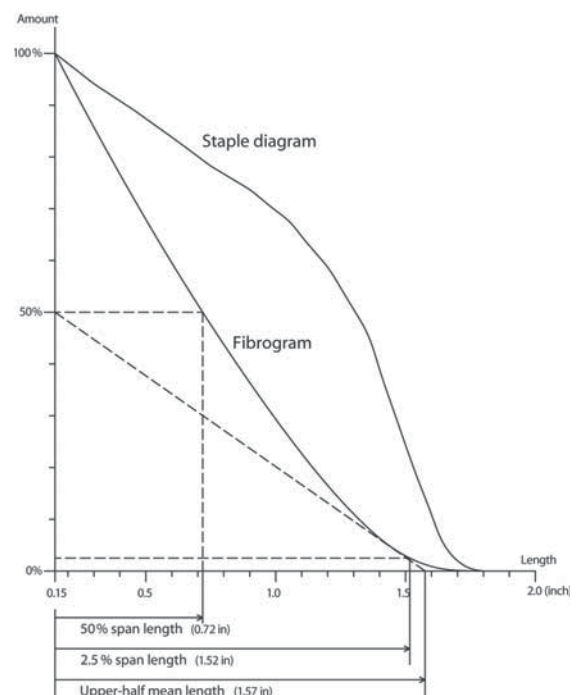
#### Numerical data from each individual test

- 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

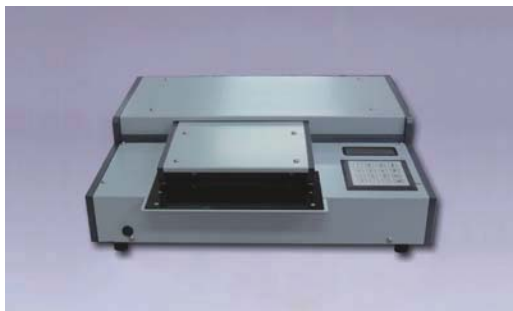


**CLASSIFIBER KCF-V/LS** measures a fiber tuft or beard nipped on the sampler comb to plot the Fibrogram, from which the staple diagram is plotted. The Fibrogram geometrically describes useful length characteristics of the fiber population, for example, upper-half mean length, 50% span length, 2.5% span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

<b>Maximum fiber length:</b>	80 mm
<b>Unit of length:</b>	inch and mm
<b>Testing time:</b>	approx. 20 sec/test
<b>Measuring system:</b>	optical method
<b>Light source:</b>	homogeneous light by linear filament lamp
<b>Size and weight:</b>	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
<b>Power supply:</b>	85-265 Vac and 47-63 Hz

