

FiberScanONE™

The reference in paper machine drainage analysis





FiberScanONE™

Feltest Equipment BV, professional instruments for paper machine clothing.

3 good reasons to use the Feltest FiberScanONE™ for your drainage analysis:

1. Only measure what really matters: water.
2. Quick setup with accurate and reliable results
3. New technology creating new possibilities.

Monitor, analyze and optimize

The forming section has a big influence on both the paper machine's efficiency and the quality of the produced paper or board.



Measure at more positions on gap formers.


Use the FiberScanONE™ to monitor, analyse and optimize the drainage process, by measuring the amount of water on top of the forming fabric after various dewatering elements. Investigate the affects of forming fabric designs, fabric wear, machine settings and chemical dosages. Make trend curves to understand what is going on in the forming section.

Advanced microwave technology

The Feltest FiberScanONE™ uses an innovative and patented microwave sensor, exclusively designed for the demanding conditions in the paper industry. The field of applications is extremely wide, ranging from low speed/high grammage board machines up to the fastest newsprint machines. No calibration is needed, just bring the measuring head up to working temperature and start!

As the microwave sensor only measures water, the readings are not influenced by the





forming fabric or by fillers like TiO_2 . In contrast to a gamma gauge, the readings of the FiberScanONE™ are not affected by metal parts close by. This allows measurements at more positions on top and gap formers; helping you to understand the drainage process even better.

FiberScanONE™: a safe investment

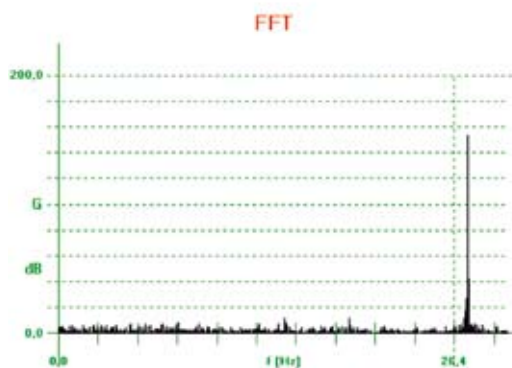
Additionally to the innovative technology, the Feltest FiberScanONE™ has many more advantages. To mention a few:

- Increased operator safety.
- Easy travelling without formalities, licenses or bureaucracy.
- Firmware upgrades are free of charge.
- The hardware can always be upgraded to the most recent version.
- Quick and reliable service.

Your investment in FiberScan™ technology is safe for years to come.

Data analysis with the HostXL™ software

The Feltest FiberScanONE™ comes with HostXL™, our extended software to store and analyse the test results. Dewatering curves and comparisons with previous measurements are made in seconds.



Find pulsations on the forming fabric.

To enhance the graphical presentation of the test results, a machine sketch is easily made with the integrated design tool.

HostXL™ contains a module to perform FFT-analysis on the special high frequency measurement setting of the FiberScanONE™. It has never been easier to investigate MD grammage variations, head box pulsations or foil turbulences!

Designed for the paper industry

The Feltest FiberScanONE™ is, like all other instruments of Feltest Equipment BV, designed by people who deal with service measurements in the paper industry every day.

The new and ultra bright display shows a lot of useful information, like a graphical drainage chart or the cross machine direction profile. The display can be reversed for left-hand or right-hand use by pressing just one button. With every measurement also the quality of the test result is indicated, giving the user important and timely feedback. Improved efficiency comes from details like these.

The Feltest FiberScanONE™ comes with:

- Low friction measuring head with an integrated, variable length handle.
- Bluetooth™ wireless connection set (USB cable for back-up).
- Glass plate to check the calibration.
- Host XL PC software to read-out and set the instrument including OptiPulse™ software for making an FFT-analysis on the recorded data.
- Universal battery charger and 12V car converter.
- All necessary cables.
- Instruction manual in English.
- Robust and compact carrying case.



Performing measurements of any kind on running paper

machines is potentially dangerous and requires alertness, concentration and common sense. The products of Feltest Equipment BV are designed and constructed to be as safe as possible for their intended use. Feltest Equipment BV can not be held responsible or liable in any way for injuries or damages that occurred using Feltest Equipment BV's products.

Specifications

Measuring range	0 – 48.000 g/m ² H ₂ O
Measuring method	Microwave frequency resonance
Measurement rate	256 values/s (1.024 values/s in FFT mode)
Field penetration	Approx. 48 mm
On board memory	Enough for > 3000 measurements
Language instrument & instruction manual	English
PC connection	Through Bluetooth™ or USB
Rechargeable battery	Li-ion
Operating temperature range	0° – 80° C

Dimensions and weights

Measuring head dimensions	L 138 x W 74 x H 77 mm
Overall dimensions	L 1.140 – 1.540 x W 65 x H 53 mm
Total weight	3,2 kg
Dimensions of a complete set including robust flight case	L 730 x W 200 x H 350 mm Weight approx. 10 kg