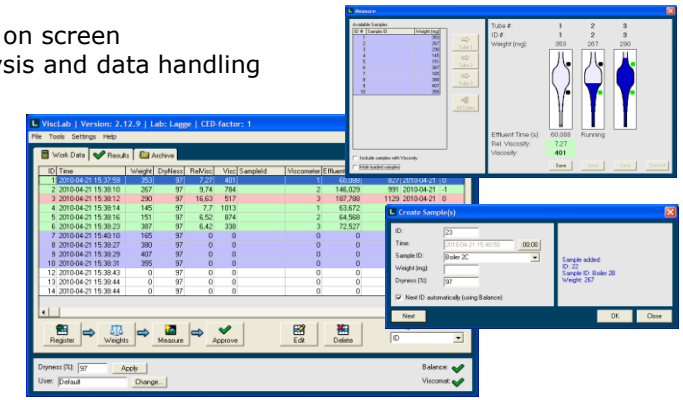
RELIABLE DETERMINATION OF PULP VISCOSITY - VISCOMAT II

LAGGE CONTROL INTROCUCES VISCOMAT II FOR DETERMINATION OF THE LIMITING VISCOSITY NUMBER OF PULP IN A DILUTE CUPRIETHYLENDIAMINE (CED) SOLUTION

The standard method to measure pulp viscosity is to determine the efflux time of a pulp/CED solution through a capillary tube. Manual measurements and calculations are time consuming, inaccurate and expose the operator to hazardous chemicals. Viscomat II implements precision and automatic measurements of pulp viscosity according to standard methods.

MEASUREMENT ROUTINE

- A piece of pulp is placed on the balance and the weight is automatically transferred to the new ViscLab software where a run list is created
- Sample is manually dissolved in water /CED and drawn into the capillary viscometer by switching the vacuum valve
- Measurement of efflux time is automatically started by draining the tube via the vacuum valve
- Efflux time is measured with a resolution < 1 ms
- ViscLab calculates the intrinsic viscosity and displays all data on screen
- Results are stored in database for archiving and further analysis and data handling



FEATURES

- Automated measurement, calculation and display of data
- 3 measurements simultaneously
- PC controlled operation
- High Accuracy and Repeatability
- Reproducibility < ±2.0%
- Pre-programmed with ISO 5351 and SCAN 15:99 methods