Canadian Standard

Freeness Tester »CSF« digital model

Code: P.404.D

Usage

To measure the freeness and dewatering rate of suspensions according to Canadian standards.

Applicable standards

- ISO 5267-2
- TAPPI T 227
- SCAN C21/M4

°SR and °CSF measuring beakers

USB and Ethernet port

Device description

The *PTE Austria's* Canadian freeness standard tester consists of a sturdy frame with a built-in measuring balance for precise measuring and a 10" touchscreen for easy operation. Mounted on this frame is the 1 000 ml cylinder with a special screen plate and the funnel, which guides the water from the upper cylinder into the measuring beaker, which is permanently weighed.

Process description

The pulp suspension is prepared acc. the standard and filled into the upper cylinder, while the bottom lid is closed. Then the upper lid is closed. The lower lid is opened and due to opening a magnetic valve on the upper lid, air comes into the cylinder and allows to start the drainage. The water drains through the sieve and the pulp is held back on the sieve. The drained water is measured with the built-in balance and the curve is detected. The device calculates all the statistics (mean, min, max, standard deviation, etc.) and displays them on the 10" display. The instrument stores the last 1000 measurements which can be retrieved or transferred to a PC even after some months. From the front USB-port the values can be stored to a USB flash drive and converted into Excel format.

Specifications

- top quality materials and manufacturing
- high quality light weight POM chambers
- stainless steel construction of the frame
- stainless steel housing
- automatic process
- operated via 10" touchscreen
- USB and Ethernet port
- *PTE Austria's* own software
- intuitive and easy operation

Connections

- Electricity: 110 – 240 V, 50/60 Hz AC
- Air: 400 – 600 kPa

Parameters

	Dimensions	Weight
Net	540 x 410 x 920 mm	48 kg
Gross	1200 x 800 x 720 mm	65 kg

Models

Code	Description
P.404.D	CSF digital
P.404.DT	CSF digital with temperature control