

**Foam Analyser
FA-1S****Tensiometry****BPA-1P****BPA-1S****DVA-1****PAT-1****PAT-2P****STA-1****DPA-1****2D-Rheology****ODBA-1****ISR-1****Foams****FA-1S****Emulsions****DBMM-1**

New development based on the latest scientific achievements in foams and foam films by the famous Bulgarian and Russian schools (Exerowa, Khristov, Kruglyakov).

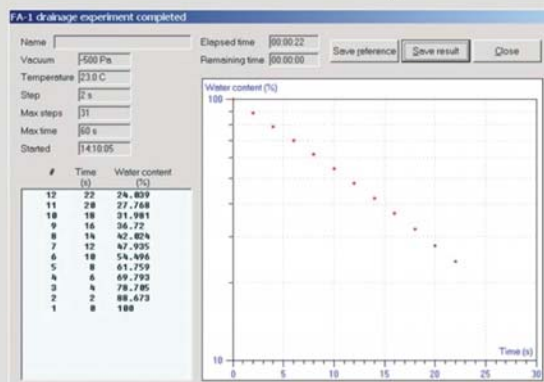
Characterises long time stable foams in a reasonable experimental time by using a particular procedure - the new pressure drop technique.

Instrumental parts

separate foam generator in order to produce constant foams
foam drainage cell with conductivity sensors
foam stability cell with a candle shaped porous container
performs fully automatic experiments
Includes automatic cleaning processes

Features

- study separately two major processes occurring in foams: foam drainage and foam stability under strictly defined conditions;
- measure the most important foam parameter in terms of foam stability and foam lifetime at constant capillary pressure in the liquid phase of the foam;
- distinguish foams from very small differences in their stability, i.e. distinguish between stabilising ability of surfactants;
- produce foams of various dispersity and monitor the impact of dispersity on foam drainage and foam lifetime/stability;
- characterise a whole range of foams from low to extremely stable foams;
- simulate conditions in a foam similar to those in industrial foams;
- correlate foam with single foam film properties;
- monitor changes in foam dispersity occurring during an experiment;
- run express and very precise experiments.



Fields of Application

food technology
pharmacy, cosmetics
medicine and biology
chemical industry

ecology
brewing
flotation technology
detergency, washing,
cleaning

Technical Data:

Measurements:

- Foam stability (life time)
- Foam drainage

special stability cell
special drainage cell

Reduced pressure

0 ... 10⁵ Pa

Min. volume test liquid

250 ml

Software

Windows software
(free update over 1 years after purchase)

Size of device (L x W x H)

346 x 340 x 400 mm

Weight

5 kg

Power supply

100 ... 240 AC; 50 ... 60 Hz; 55 W

Extra accessories

filter plates of different porosity (porosity F, 4, 3)
filter candles of porosity F

Tensiometry

BPA-1P

BPA-1S

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Foams

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