DVA-1

SINTERFACE

Technologies

Drop Volume Analyser DVA-1

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



Classical method to measure the surface and interfacial tension of liquids

Direct setting of time!

Principle is based on the accurate determination of the volume of drops detaching from circular capillaries.

Fast drop formation allows short time measurements.

Instrumental parts

very compact construction automatic dosing system temperature controlled measuring cell data acquisition via RS-232 automatic refilling automatic cleaning procedure

Features of the instrument

surface and interfacial tension of liquids dynamic interfacial tensions in a time range of less than onE second up to several minutes complements the profile analysis tensiometry at short times, in particular

for liquid/ liquid

interfaces

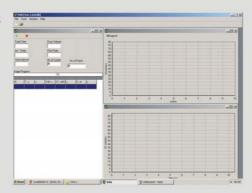
use with any PC or laptop

no time-consuming filling procedure as it refills automatically from a reservoir

temperature controlled cell

small size, small price, and easy to handle

correction of the viscosity effects at short drop times



Fields of Application

surfactant science ink jet printing coating technology foam and emulsion technology detergency pharmacy cosmetics food technology medicine and biology ecology

Technical Data:

Range of surface and interfacial tension

Time range:

- constant drop formation

- time scan (standard)

Drop formation

Syringe volume

(automatic refill)

Density difference

Software

Measuring duration

Measuring option:

constant drop time
 standard mode

Temperature range

Size of device (L x W x H)

Weight

Interface

Power supply

Extra accessories

1 to 100 mN/m;

resolution: ± 0.2 mN/m

0.2 s to about 1000 s 0.2 s to about 1000 s

single drops

averaged number of drops

0.1, 0.25, 0.5, 2.5 ml

> 0.1 g/cm³

Windows software

(free update over 1 years after purchase)

1 min to 1 hour

arbitrary number of points

selection of points in a user given time interval

10 ... 80°C

200 x200 x 210 mm

3 kg

RS-232

24 VDC, 40 W

capillaries

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