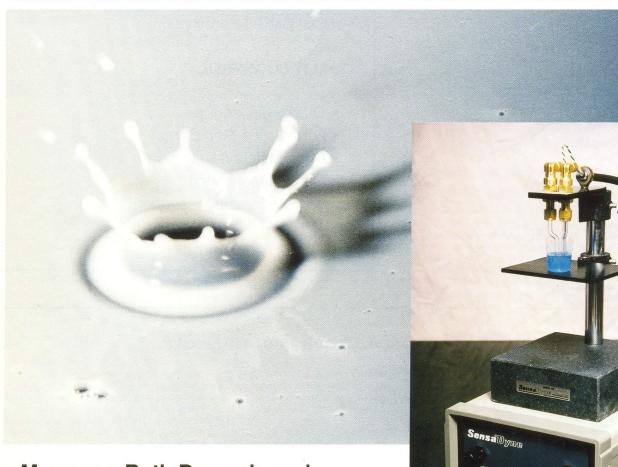
# MID-RANGE TENSIOMETER



- Measures Both Dynamic and Static Surface Tension
- Automatic Surface Age Calculation & Display
- Unaffected by Surface Contamination or Foaming
- Independent of Probe Immersion Depth
- Simple Menu-Driven (Point & Click)
   Calibration & Operation
- Computer Interfaced for Data Collection
- Two Independent Mass Flow Controllers for Precise Control of Flow Rates



The Experts in Dynamic Surface Tension
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### **FEATURES**

- Measures Both Dynamic
   & Static Surface Tension
- Computer Interfaced for Data Acquisition
- Unaffected by Surface Contamination & Foaming
- Independent of Probe Immersion Depth
- Automatic Surface Age Calculation & Display
- Two Mass Flow Controllers For Accurate Results

## **Applications**

#### RESEARCH AND DEVELOPMENT

- Formulation Testing and Comparison
- Surfactant Diffusion Rate Studies
- Contamination Testing
- Surfactant Research & Testing
- Fast CMC Determination

#### **QUALITY CONTROL**

- · Quality Monitoring
- · Formulation Monitoring
- Contamination Detection
- On-Line Monitoring
- Sample Stream Monitoring with Optional Flow Through vessels

## **Specifications**

Bubble Speed:

Max: 40 / Second; Min: 1 Bubble / 120 Seconds

Accuracy:

+/- 0.1 Dynes/Cm.

Measurement Range:

1-500 Dynes/Cm.

Temperature Range:

-55° C - 150° C

Sample Size

Minimum: 3ml; Nominal: 25ml

Flow Control

Individual Mass Flow Controllers for each Orifice

Method

Differential Maximum Bubble Pressure Method

Using Advanced Software Peak Detection

Response Time:

Two (2) Seconds Minimum

Dependant on Sampling Interval Chosen

Probe Materials:

Standard: Glass, Stainless Steel;

Optional: (FEP) Teflon-Coated Glass, Pure Teflon

Computer:

Minimum Required: 386 with Co-Processor or Higher



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