

# BUBBLE PRESSURE TENSIOMETER – BPT MOBILE

## SPECIFICATIONS



**KRÜSS**

Advancing your Surface Science

**Product group specifications****BPT Mobile****Pressure measurement**

|                  |          |
|------------------|----------|
| Maximum pressure | 1.25 kPa |
| Precision        | 2 %      |

**Data output**

|     |                              |
|-----|------------------------------|
| USB | Microsoft Excel (XML format) |
|-----|------------------------------|

**Measurement specifications****BPT Mobile****Bubble pressure**

| Results               | dynamic surface tension vs. surface age | dynamic surface tension at constant surface age | single dynamic surface tension |
|-----------------------|---|---|--------------------------------|
| Surface tension range |   | 15 to 100 mN/m                                  |                                |
| Resolution            |   | 0.1 mN/m  |                                |
| Precision             |   | 2 %   |                                |
| Surface age range     |   | 10 to 30,000 ms                                 |                                |
| Resolution            |   | 1 ms  |                                |
| Precision             |   | 5 %   |                                |

**General specifications****BPT Mobile****Sample dimensions**

Minimum recommended sample volume 15 mL <sup>1)</sup>

**Temperature measurement**

Range 0 to 100 °C

Resolution 0.1 °C

Location sample

**Housing and peripherals**

Touch display integrated color IPS display (480 × 854 px, size 5")

Stand included

**Environment**

Operating temperature 5 to 60 °C

Humidity without condensation

**Instrument dimensions**

Size 85 mm × 55 mm (W × D)

Height 220 mm

Weight (without accessories) 600 g

**Power supply**

Battery 10 h operating time

Voltage 5 V (powered by USB)

Power consumption 2.5 W

**Interfaces and memory**

PC USB-Micro-B

Memory up to 20 million measurements

<sup>1)</sup> sample vessel SV13 recommended

