

**Powerful Probe-Type Sonicator UP400St (400 watts)**

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**Stand-mounted Ultrasonic Processor UP400St**



UP400St  
400 W powerful ultrasonicator



The UP400St features a color touch-display, SD-card slot, LAN port and temperature sensor

**Technical Details**

UP400St: 400 watts, 24kHz; for stand-mounted use; automatic frequency tuning, amplitude adjustable from 20 to 100%, pulse adjustable from 0 to 100%, with colored touch-screen & digital control, operation and control via LAN, automatic data recording, dry running protected, IP30 grade, titanium horn, in portable case

**Applications**

Homogenization, Dispersing & Deagglomeration (e.g. nano particles), Wet-milling & Grinding (e.g. nano materials), Emulsifying, Lysis & Cell Disintegration, Extraction, Sonochemistry

**Advantages**

**Effectiveness:** High-power lab device for sonication of larger volumes from 5 mL up to 4L in the batch and approx. 10 to 50 litres per hour with flow cell.  
**Flexibility:** Beaker sonication and continuous sonication for applications in lab & bench-top scale and for small production.  
**Simplicity:** The operation settings can be adjusted via the colored touch-screen. All functions are easily and intuitively reachable through one main menu. The UP400St is simple to use and easy to clean.

**Items:**

- Ultrasonic Processor UP400St o 115 volt o 230 volt
- Sonotrode S24d7 with 7mm tip diameter
- Sonotrode S24d14 with 14mm tip diameter
- Flow Cell FC22K stainless steel, volume approx. 15ml
- Sonotrode S24d22D with seal for flow cell FC22K
- Stand ST1-16
- Sound Protection Box SPB-L, made from acrylic glass

