

## Digital Ultrasonic Device UP400St (400 watts, 24kHz)

Stand-mounted Ultrasonic Device 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, IP41 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 ◦ 115 volt ◦ 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 acryl glass

### browser control

PC/MAC/Smartphone

