

Digital Ultrasonic Device UIP200St and VialTweeter

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Ultrasonic Processor
UP200St
with
VialTweeter



UP200St with VialTweeter



UP200St-T, VialTweeter & VialPress

Technical
Details

UP200St processor: 200 watts digital ultrasonic processor, with touch display and automatic data recording, ultrasonic frequency 26kHz (auto scan), countdown (timer): 0.1sec to 99 days, shutdown when final energy input reached (Ws, Wh, kWh), autom. calibration of the amplitude-dependent idle power, data recording: amplitude, power, time, temperature on internal SD/USB ComboCard (1GB), display and remote control via browser on PC/MAC without software installation, remote control via PLC

VialTweeter: S26d10x10VialT block sonotrode, stainless steel, for UP200St, simultaneous sonication of up to 10 EppendorfVials, for vials and test tubes of 0.5ml, 1.0ml, 1.5ml or 2.0ml volume, e.g. 12x32mm or 15x45mm, other vial sizes available on request

Applications

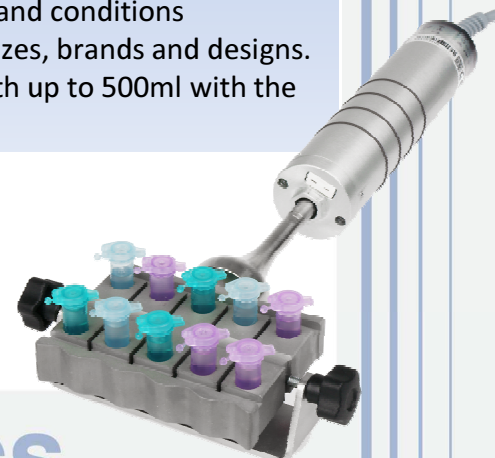
Sample Preparation, Mixing & Blending, Homogenization, Emulsifying, Dispersing & Dissolving, Disintegration & Cell Disruption, Deagglomeration & Particle Size Reduction, Degassing

Advantages

- **Performance:** up to 10 watts into each of the ten vials
- **Efficiency:**
 - higher efficiency than ultrasonic bath or tank as the energy goes only into the liquid in the vials
 - time saving: the power levels allow for sophisticated sonication processes in short time, similar to direct sonication by a homogenizer
 - simultaneous sonication of up to 10 vials under same conditions
- **Flexibility:**
 - the ultrasonic processor UP200St can be used with VialTweeter for indirect sonication or with sonotrode for direct probe sonication
 - various accessories allow use in manifold applications and conditions
 - VialTweeter is suitable for vials of the most common sizes, brands and designs. Possibility for indirect sonication of a single vessels with up to 500ml with the mountable VialPress

Items:

- Ultrasonic Processor UP200St ○ 115volts ○ 230volts
- VialTweeter S26d10x10VialT block sonotrode
- VialPress



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