UP200Ht – A Powerful and Smart Ultrasonic Lab Device

Ultrasonic Device UP200Ht	UP200Ht – comfortable use as handheld homogenizer	UP200Ht with acrylic sound protection box
Technical Details	**UP200Ht**: 200 watts, 26kHz; for handheld and 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 Ø 10mm, amplitude at horn 70µm, in portable case	
Application	Homogenization, Dispersing & Deagglomeration (e.g. nano particles), Emulsifying, Lysis & Cell Disintegration, Extraction, Degassing, Sonochemistry	
Advantages	**Performance**: With 200 watts power, the UP200Ht is much more powerful than an ultrasonic bath or tank. **Flexibility**: For handheld or stand-mounted use, with various accessories for optimal adaption to your process. **Comfortable Operation**: The light-weight device is ergonomically designed. The operation settings can be adjusted via the colored touch-screen. All functions are easily and intuitively reachable through one main menu. **Quality**: The UP200Ht device fullfills the highest quality standards. All devices are designed, engineered and manufactured in Germany.	

Items:

☐ Ultrasonic Processor UP200Ht ○ 115 volts   ○ 230 volts
☐ Sonotrode S26d2 (tip diameter 2mm)
☐ Sonotrode S26d7 (tip diameter 7mm)
☐ Sonotrode S26d14 (tip diameter 14mm)
☐ Stand ST1-12
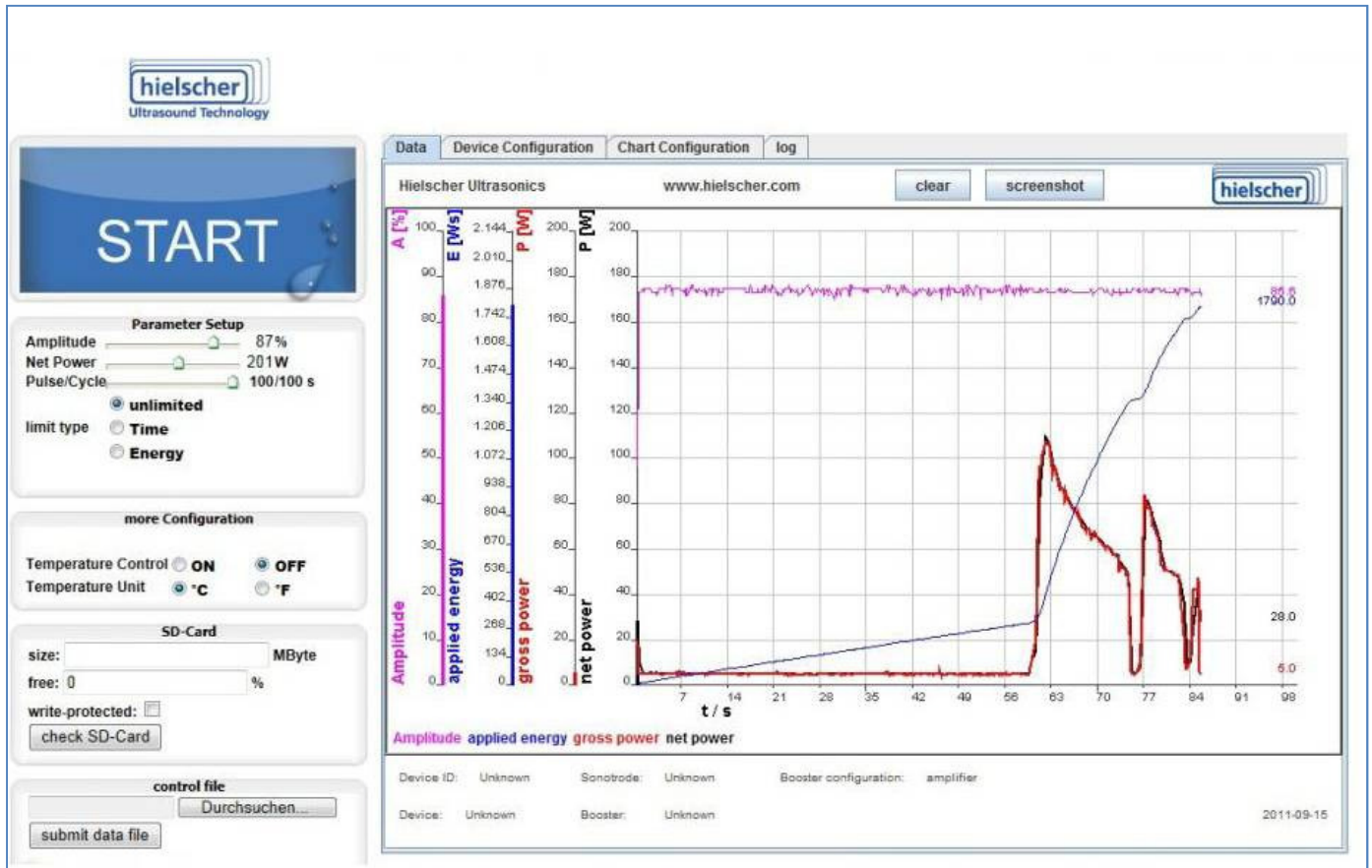☐ Sound Protection Box SPB-L, made from acryl glass

color touch-screen

hielscher ultrasonics

Desktop interface for remote control

of gross and net Power, time, ampuitude, energy, temperature and SD card status

hielscher
Ultrasound Technology

START

Parameter Setup
Amplitude — 87%
Net Power — 201W
Pulse/Cycle — 100/100 s
● unlimited
limit type ○ Time
○ Energy

more Configuration
Temperature Control ○ ON ● OFF
Temperature Unit ● °C ○ °F

SD-Card
size: _____ MByte
free: 0 _____ %
write-protected: ☐
check SD-Card

control file
Durchsuchen...
submit data file

| Data | Device Configuration | Chart Configuration | log |

Hielscher Ultrasonics   www.hielscher.com   clear   screenshot   hielscher

Amplitude applied energy gross power net power

Device ID: Unknown   Sonotrode: Unknown   Booster configuration: amplifier
Device: Unknown   Booster: Unknown   2011-09-15

Different Sonotrodes

with diameter   surface in mm²   and max amplitude in water

2 3 240	7 38.5 190	14 154 90	40 1255 9	2 3 240	7 38,5 190
vials, beaker	vials, beaker	vials, beaker	beaker	flow cell	flow cell