FYTRONIX R&D GROUP TECHNOLOGIES

ADVANCE LABORATORY EQUIPMENT
Innovating the Future of Research

ULTRASONIC SONICATOR

FYTRONIX ULTRASONIC PRO 1000



It sounds like you're launching or documenting a serious piece of lab equipment! The **ULTRA-SONIC PRO 1OOO** has solid specs—especially that 1OOOW output and the wide volume range.

I have translated and formatted the content into a professional English product datasheet for you.

ULTRASONIC PRO 1OOO

Professional Ultrasonic Homogenizer & Cell Disruptor

The **ULTRA-SONIC PRO 1OOO** combines the high precision and power required by modern laboratories. Designed for a wide range of applications from nanotechnology to biotechnology, it ensures maximum efficiency without compromising the integrity of your samples.

Applications

- **Cell Disruption:** Effective lysis of bacteria, viruses, and tissue samples.
- **Emulsification:** Creating stable mixtures of immiscible liquids.
- **Homogenization:** Particle size reduction and dispersion.
- **Degassing:** Rapid removal of trapped gases from liquids.
- **Sample Preparation:** Increasing the solubility of complex mixtures prior to analysis.

⚙ Technical Specifications

Feature	Description
Nominal Power	1OOOW (High-efficiency ultrasonic output)
Operating Frequency	20 kHz
Processing Volume	2 ml – 900 ml (Broad volume flexibility)
Amplitude Control	10% - 100% (Precision adjustable)
Timer	Integrated digital timing system
Display	Touch Screen
Probe Compatibility	Sonotrode 8 mm diameter
Certification	CE Certified

Why Choose the ULTRA-SONIC PRO 250?

- **Intelligent Control:** Monitor real-time values (power, amplitude, duration) during operation via the large digital display.
- **Versatility:** Work with microliter tubes or liter-sized beakers using various probe options ranging from 3 mm to 25 mm.
- **Durability:** Stable oscillation at 20 kHz ensures a homogenous distribution even in the most challenging samples.

Package Contents

Your device is delivered as a complete set, ready for operation straight out of the box:

1. **Ultrasonic Generator:** Power control unit.
2. **Transducer:** The main body that converts energy into mechanical vibration.
3. **Titanium Sonotrode (Probe):** Specifically selected probe for your application.
4. **Height-Adjustable Stand:** For secure and stable operation.
5. **Connection Equipment:** All necessary cables and mounting wrenches.

Warranty and Support

Our product is covered by a **2-Year Warranty** against manufacturing defects. After-sales technical support and spare parts supply are guaranteed by our company.