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EN ISO 9001
EN ISO 13485

BANDELIN electronic GmbH & Co. KG
Heinrichstraße 3-4 ■ 12207 Berlin
Tel. +49 30 7688 0-0
Fax +49 30 77346 99
www.bandelin.com
info@bandelin.com

Contact PR:
Susanne Schlöter
Susanne.Schloeter@bandelin.com

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SONOPULS series 4000 Ultrasonic homogenisers - The new generation

With **SONOPULS series 4000** BANDELIN electronic enlarges the variety of ultrasonic homogenisers.

The power packs with either 50, 100 or 200 W for laboratories enable a direct treatment of µl-volumes up to 2 l max. They are equipped with all features of the existing SONOPULS series 3000, like:

- amplitude control or alternatively power control
- separate settings of ON/OFF cycles for pulsing
- timer for countdown and continuous operation
- display of energy value (kJ) and optionally of sample temperature
- WINPULS remote control

In addition, sequencing is now possible, i. e. several operating modes can be proceed back-to-back.

Whether emulsifying, suspending, disruption of cells or bacteria - a fast treatment is possible at the push of the button.

Probes made of titanium alloy with diameters of 2 to 25 mm as well as rosette cells supporting the mixing of samples complete the wide range of accessories.

analytica, Hall B1 Booth 400



BANDELIN electronic is specialized in the development, manufacture and sale of ultrasonic devices, the corresponding accessories and application-specific disinfection and cleaning agents. A high level of production, modern production lines and high motivated staff guarantee a high quality of products. The devices are in use in the fields of industry, in the service sector, in medicine, in the pharmaceutical industry, in the dental field and in laboratories.