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UTTD control Life Science Solution

/// Data Sheet

Single-use homogenization of tissue samples without risk of cross-contamination:

In the field of life sciences and biological applications, precision is crucial.

The UTTD control Life Science Solution package was specially put together by the IKA product experts to meet the critical challenges of homogenizing tissue, cartilage and bone samples: homogeneous comminution of the samples and protection against cross-contamination.

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The package includes the powerful ULTRA-TURRAX® Tube Drive P control homogenization system, which has been designed for universal use. In combination with the patented DT-20 disposable dispersing chambers with 20 ml volume and rotor-stator element, this system ensures optimum sample comminution and fast and uniform homogenization of the samples.

The hermetically sealable disposable sample containers serve simultaneously as a dispersion vessel, storage unit and transport container. They significantly reduce the cleaning effort and systematically eliminate cross-contamination. Users benefit from reduced handling costs and a lower number of incorrect analyses. Samples can be collected or media added via the pierceable membrane in the vessel lid.

Scope of delivery
•ULTRA-TURRAX® Tube Drive P control
•DT-20 Dispersing tube, 20 ml (25 pcs.)

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Technical Data

Motor rating input [W]	36
Motor rating output [W]	28
Speed display	OLED
Speed range [rpm]	400 - 8000
Viscosity max. [mPas]	5000
Timer	yes
Timer display	OLED
Speed deviation [%]	3
Speed adjustment	10 RPM Steps
Noise without element [dB(A)]	50
Process type	batch
Reversible direction of rotation	yes
Dimensions (W x H x D) [mm]	122 x 54 x 178
Weight [kg]	1.3
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 20
USB interface	USB-B
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	36
DC Voltage [V=]	24
Current consumption [mA]	1500