IKA

designed for scientists



T 10 battery ULTRA-TURRAX®

/// Data Sheet

IKA’s first battery-operated, cordless homogeniser. Designed for small volumes up to 100 ml (H2O), this homogeniser can even be operated inside of a microcentrifuge tube. The T 10 battery is ideal for on-site sampling operations or use in a biosafety cabinet or laminar flow cabinet due to its compact and portable design and the fact that it does not require an electricity supply in order to operate. It is also ideal as a tissue homogeniser to break down complex tissues. A wide range of dispersing tools are available to suit a variety of application needs such as blunt-edged, sawtooth, stainless steel and plastic types.

Features:

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- Large LCD display allows for easy parameter viewing
- Brushless DC motor for quieter operation
- Precise speed setting with numerical values
- Timer and counter functions for reproducible and precise operation
- Rechargeable battery with two charging options: Either directly through a USB-C cable or via a charging clamp
- Labworldsoft compatible for remote control and data export and documentation

The dispersing tool is not included in the scope of delivery.

Scope of delivery
•T 10 battery ULTRA-TURRAX®

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Technical Data

Motor rating input [W]	30
Motor rating output [W]	25
Volume range (H2O) [l]	0.0005 - 0.1
Viscosity max. [mPas]	200
Speed range [rpm]	8000 - 30000
Speed deviation [%]	5
Speed display	LCD
Speed adjustment	stepless
Noise without element [dB(A)]	65
Motor principle	Brushless DC
Extension arm diameter [mm]	8
Extension arm length [mm]	100
Process type	batch
Power-ON time [min]	10
Power-OFF time [min]	5
Timer	yes
Timer display	LCD
Dimensions (W x H x D) [mm]	53 x 239 x 70
Weight [kg]	0.5
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 30
USB interface	USB-C
Power input max. [W]	45
Power input standby [W]	0.1
DC Voltage [V=]	15
Current consumption [mA]	3000
Batteries included with the product?	yes
Battery Cell Type	Custom LiPo / 18650-3S1P
Number of Batteries	3
Battery Weight [g]	160
How is the Battery packaged	within appliance
Battery Energy Content [Wh]	34.56
Battery Voltage [V]	10.8