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T 18 mini digital ULTRA-TURRAX®

/// Data Sheet

T 18 mini digital is an economical high-performance dispersing instrument with a wide speed range of 3000 - 25,000 rpm for working volumes of up to 1.5 liters (H20). It enables the user to work at high circumferential speeds even with small rotor diameters. The compact design of this disperser allows for operation in the tightest of spaces. A large TFT display ensures easy readability from a greater distance, even from outside a fume hood. This setup is best suited for simple applications homogenizing samples with low viscosity.

A broad choice of dispersing elements guarantee a wide range of applications for efficient emulsification, homogenization, dispersing and suspending as well as reduction of particle sizes to the micrometer range.

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- Digital speed display and adjustment
- Brushless motor for improved motor lifetime, quieter operation and more hygienic applications
- Timer function for unattended operation
- Dispersing elements: stainless steel option with a high chemical resistance or plastic options that come in two sizes
- Quick insert for easy change of dispersing elements for convenient cleaning and maintenance
- USB interface for remote control and parameter documentation with the IKA labworldsoft® software

All S 18 dispersing tools and accessories are compatible with this the T 18 mini digital.
The dispersing tool is not included in the scope of delivery.

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Technical Data

Motor rating input [W]	210
Motor rating output [W]	160
Volume range (H2O) [l]	0.001 - 1.5
Viscosity max. [mPas]	2000
Speed range [rpm]	3000 - 25000
Speed deviation [%]	3
Speed display	LED
Speed adjustment	stepless
Noise without element [dB(A)]	75
Motor principle	Brushless DC
Extension arm diameter [mm]	13
Extension arm length [mm]	160
Process type	batch
Timer	yes
Timer display	LED
Permissible ON time [%]	100
Dimensions (W x H x D) [mm]	66 x 186 x 100
Weight [kg]	1.8
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 30
USB interface	yes
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	210
Power input max. [W]	250
Power input standby [W]	3
DC Voltage [V=]	48
Current consumption [mA]	4500