



designed for scientists



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 (H₂O). 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.

Technical Data

Motor rating input [W]	210
Motor rating output [W]	160
Volume range (H ₂ O) [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