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## T 25 mini control Solution

/// Data Sheet

The T 25 mini control is a high-performance dispersing instrument with a wide speed range of 600 - 25,000 rpm for working volumes of up to 1.5 liters (H<sub>2</sub>O). 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

Unique from IKA:

A patented temperature sensing function on specialized dispersing tools allows for real-time sample temperature measurement and safety temperature setting to protect heat-sensitive samples from degradation.

All S 25 dispersing tools (max size: 18 mm) and accessories are compatible with the T 25 mini control.

The T 25 mini control Solution provides a complete starter solution to start your homogenisation journey, complete with a dispersing tool, shaft and stand for homogenisation requirements with a compact size and smart, high end features for automation and protection of heat sensitive samples. The T 25 mini control's construction make them ideal for applications which require operation in conditions that require high hygiene.

Scope of delivery

- T 25 mini control ULTRA-TURRAX®
- S 25 EC - T - C - 18 G Dispersing tool
- R 1826 Plate stand
- R 182 Boss head clamp



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## Technical Data

Motor rating input [W]	210
Motor rating output [W]	160
Volume range (H <sub>2</sub> O) [l]	0.001 - 1.5
Viscosity max. [mPas]	2000
Speed range [rpm]	600 - 25000
Deviation of speed measurement $n > 3000$ rpm [%]	±3
Deviation of speed measurement $n \leq 3000$ rpm [rpm]	±100
Speed adjustment	stepless
Speed display	LED
Noise without element [dB(A)]	75
Motor principle	Brushless DC
Extension arm diameter [mm]	13
Extension arm length [mm]	160
Process type	batch
Temperature display	yes
Temperature measuring range [°C]	0 - 125
Temperature measurement resolution [K]	0.1
Accuracy of temperature measurement [K]	±1
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
RS 232 interface	yes
USB interface	USB-C
WPAN interface	yes
WiFi Interface	yes
Ethernet 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