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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 (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

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 (H2O) [l]	0.001 - 1.5
Viscosity max. [mPas]	2000
Speed range [rpm]	600 - 25000
Deviation of speed measurement n > 3000rpm [%]	±3
Deviation of speed measurement n < 3000rpm [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