



designed for scientists



T 25 mini control Solution

/// Hoja de Datos

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 (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

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.

Volumen de suministro

- T 25 mini control ULTRA-TURRAX®
- S 25 EC - T - C - 18 G Util de dispersión
- Soportes de pie plano R1826
- R182 Pinza en cruz



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Información Técnica

Potencia del consumo del motor [W]	210
Potencia del suministro del motor [W]	160
Rango de volumen (H ₂ O) [l]	0.001 - 1.5
Max. viscosidad [mPas]	2000
Rango de velocidad [rpm]	600 - 25000
Deviation of speed measurement n > 3000rpm [%]	±3
Deviation of speed measurement n < 3000rpm [rpm]	≤±100
Control de velocidad	progresión
Indicador de velocidad	LED
Ruido sin el elemento [dB(A)]	75
Principio del motor	Motor de corriente continua sin escobillas
Díametro del brazo de extensión [mm]	13
Longitud del brazo de extensión [mm]	160
Tipo de proceso	lote
Indicador de temperatura	sí
Rango para medir la temperatura [°C]	0 - 125
Resolución de medida de temperatura [K]	0.1
Medida de la temperatura precisa [K]	±1
Contador de tiempo	sí
Indicador del contador del tiempo	LED
Tiempo permitido encendido [%]	100
Dimensiones (An x Al x Pr) [mm]	66 x 186 x 100
Peso [kg]	1.8
Temperatura ambiental permitida [°C]	5 - 40
Humedad relativa permitida [%]	80
Clase de protección de acuerdo al DIN EN 60529	IP 30
Interfaz de RS 232	sí
Interfaz de USB	USB-C
Interfaz de WPAN	sí
Interfaz wifi	sí
Interfaz Ethernet	sí
Voltaje [V]	100 - 240
Frecuencia [Hz]	50/60
Consumo de energía [W]	210
Potencia máxima de entrada [W]	250
Consumo de energía Standby [W]	3
Voltaje DC [V=]	48
Consumo de energía [mA]	4500