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T 18 brushless digital Solution

/// Data Sheet

The T 18 brushless digital is an economical high performance dispersing instrument with a wide speed range of 3000 - 25 000 rpm for working volumes of up to 1.500 ml (H2O). It enables users to work at high circumferential speeds even with small rotor diameters. A broad choice of dispersing elements guarantee a wide range of applications for efficient emulsification, homogenization, dispersing and suspending and a reduction of particle sizes to the micrometer range. With the following features, this disperser meets the needs of a modern laboratory:

- Brushless motor for improved motor life, quieter operation and hygienic applications
- Digital speed display and setting

- Timer function for unattended operation
- Quick coupling for easy and fast exchange of dispersing elements for cleaning and maintenance
- USB interface for remote control and parameter documentation with the laboratory software labworldsoft®
- Wide range of dispersing tools available; stainless steel with high chemical resistance or disposable plastic tools

The T 18 brushless digital Solution provides a complete starter solution to start your homogenisation journey, complete with a dispersing tool, shaft and stand, ideal for applications in industries working in ambient conditions that require a high degree of hygience and compliance.

Scope of delivery
•T 18 brushless digital ULTRA-TURRAX®
•S 18 N - 19 G Dispersing tool
•R 1826 Plate stand
•R 182 Boss head clamp

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Technical Data

Motor rating input [W]	400
Motor rating output [W]	300
Volume range (H2O) [l]	0.001 - 1.5
Viscosity max. [mPas]	5000
Speed range [rpm]	3000 - 25000
Speed deviation [%]	2
Speed adjustment	stepless
Speed display	LED
Noise without element [dB(A)]	70
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]	89 x 270 x 161
Weight [kg]	3
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 30
USB interface	Micro-USB
Voltage [V]	220 - 240
Frequency [Hz]	50/60
Power input [W]	400