



designed for scientists



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



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- 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 hygiene 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 (H ₂ O) [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



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.