

## Data Sheet

Crushing / Dispersers



### T 25 digital ULTRA-TURRAX®

High-performance dispersing instrument for volumes from 1 - 2000 ml (H<sub>2</sub>O) with digital speed display. It offers a wide speed range from 3000 - 25,000 rpm that enables users to work at high circumferential speeds even with small rotor diameters. A broad choice of dispersing elements adds versatility. Applications ranges from homogenizing waste water samples, use in laboratory reactors, dispersion tasks under vacuum / pressure and sample preparation in medical diagnostics.

- Digital speed display
- Electronic speed control
- Electronic overload protection
- Stainless steel dispersing elements can be cleaned quickly and easily
- Plastic disposable dispersing elements are available in two sizes
- Error code display
- Quiet operation

Accessories: S 25 N - 8 G - ST Dispersing element, S 25 N - 10 G - ST Dispersing element, S 25 N - 18 G - ST Dispersing element, S 25 N - 25 G - ST Dispersing element, S 25 N - 8 G Dispersing element, S 25 N - 10 G Dispersing element, S 25 N - 18 G Dispersing element, S 25 N - 25 G Dispersing element, S 25 N - 25 F Dispersing element, S 25 NK - 19 G Dispersing element, S 25 KV - 18 G Dispersing element, S 25 KV - 25 G Dispersing element, S 25 KV - 25 F Dispersing element, S 25 D - 10 G - KS Dispersing element (10 pcs), S 25 D - 14 G - KS Dispersing element (10 pcs), S 18 / 2 -ET 0 Disposable tube, R 182 Boss head clamp, RH 3 Strap clamp, R 1825 Plate stand, R 1826 Plate stand, R 1827 Plate stand, Silentstream

#### Technical Data

|  |                |
|--|----------------|
| Motor rating input [W]                     | 800            |
| Motor rating output [W]                    | 500            |
| Volume range min. (H <sub>2</sub> O) [l]   | 0.001          |
| Volume range max. (H <sub>2</sub> O) [l]   | 2              |
| Viscosity max. [mPas]                      | 5000           |
| Speed range [rpm]                          | 3000 - 25000   |
| Speed deviation [%]                        | 1              |
| Speed display                              | LED            |
| Speed control                              | stepless       |
| Noise without element [dB(A)]              | 75             |
| Extension arm diameter [mm]                | 13             |
| Extension arm length [mm]                  | 160            |
| Process type                               | batch          |
| Timer                                      | no             |
| Permissible ON time [%]                    | 100            |
| Dimensions (W x H x D) [mm]                | 87 x 271 x 106 |
| Weight [kg]                                | 2.5            |
| Permissible ambient temperature [°C]       | 5 - 40         |
| Permissible relative moisture [%]          | 80             |
| Protection class according to DIN EN 60529 | IP 20          |
| RS 232 interface                           | no             |
| USB interface                              | no             |
| Analog output                              | no             |
| Voltage [V]                                | 200 - 240      |
| Frequency [Hz]                             | 50/60          |
| Power input [W]                            | 800            |

**Ident. No. 3725000**