

## 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 (12 Pc), S 25 D - 14 G - KS Dispersing element (12 Pc), 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, BC 1000 Beaker cap

| Technical Data                             |                       |
|--------------------------------------------|-----------------------|
| Motor rating input [W]                     | 700                   |
| 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 humidity [%]          | 80                    |
| Protection class according to DIN EN 60529 | IP 20                 |
| RS 232 interface                           | no                    |
| USB interface                              | no                    |
| Analog output                              | no                    |
| Voltage [V]                                | 220 - 240 / 100 - 120 |
| Frequency [Hz]                             | 50/60                 |
| Power input [W]                            | 700                   |
| <b>Ident. No.</b>                          | <b>0003725000</b>     |