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## **MultiDrive DI 2000 T Dispersing vessel, temperature measurement**

/// Data Sheet

DI 2000 T is a vessel with rotor-stator system and temperature sensor, which is particularly useful in combination with IKA MultiDrive control for dispersing a variety of applications, such as emulsion, yoghurt, extracts.

The integrated temperature sensor allows continuous monitoring and an individual setting of the temperature limit. This is especially meaningful for temperature sensitive materials.

All parts can be cleaned in a dishwasher. The generator is easy to dismantle for intensive cleaning.



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The scope of delivery includes a standard generator made of stainless steel.



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## Technical Data

|   |  |
|---|--|
| Process type                            | batch                                      |
| Operating principle                     | dispersing                                 |
| Speed range [rpm]                       | 3000 - 15000                               |
| Circumferential speed max. [m/s]        | 22   |
| Useable volume max. [ml]                | 2000                                       |
| Feed grain size max. [mm]               | 10   |
| Material beater/cutter                  | stainless steel 1.4404                     |
| Material (other)                        | stainless-steel, PCTG, PTFE, silicone, SIC |
| Power-ON time [min]                     | 30   |
| Power-OFF time [min]                    | 10   |
| FDA conform                             | yes  |
| Multi use                               | yes  |
| Dishwasher cleanable                    | yes  |
| Data transfer drive/vessel              | Wireless with RFID                         |
| Monitoring maintain time                | yes  |
| Temperature measuring                   | yes  |
| Temperature measurement resolution [K]  | 0.1  |
| Accuracy of temperature measurement [K] | ±1   |
| Temperature limit min. [°C]             | -50  |
| Temperature limit max. [°C]             | 80   |
| Stator diameter [mm]                    | 43   |
| Rotor diameter [mm]                     | 28   |
| Gap between rotor and stator [mm]       | 0.5  |
| Ultimate fineness, suspensions [µm]     | 40 - 100                                   |
| Ultimate fineness, emulsions [µm]       | 10 - 30                                    |
| Dimensions (W x H x D) [mm]             | 180 x 280 x 220                            |
| Weight [kg]                             | 1.35                                       |
| Permissible relative humidity [%]       | 80   |