

Data Sheet Crushing / Dispersers



T 10 basic ULTRA-TURRAX®

Small dispersing instrument for volumes from 0.5 - 100 ml (H2O). It offers a wide speed range from 8000 - 30,000 rpm that enables users to work at high circumferential speeds even with small rotor diameters. A broad choice of dispersing elements guarantees a wide range of applications.

- Quick-connect coupling for changing dispersing elements easily
- Ideal for manual operation due to its light weight and ergonomic design
- Extremely mobile due to direct line power (no transformer required)
- Stainless steel dispersing elements can be cleaned quickly and easily as they can be dismounted without tools
- Plastic disposable dispersing elements are available in two sizes, particularly suitable for PCR analysis
- High performance drive ensures immense speed stability
- Quiet operation

Accessories: S 10 N - 8 G - ST Dispersing element, S 10 N - 10 G - ST Dispersing element, S 10 N - 5 G Dispersing element, S 10 N - 8 G Dispersing element, S 10 N - 10 G Dispersing element, S 10 D - 7G - KS - 65 Dispersing element (24 pcs), S 10 D - 7G - KS - 110 Dispersing element (24 pcs), H 44 Boss head clamp, R 200 Clamp, R 104 Stand, BC 1000 Beaker cap

Motor rating output [W] Volume range min. (H2O) [I] 0.00 Volume range max. (H2O) [I] Viscosity max. [mPas] 55 Speed range [rpm] 8000 - 300 Speed display 55 Speed control step! Noise without element [dB(A)] Extension arm diameter [mm] Extension arm length [mm] Process type 56 Power-on time ON [min] Power-on time OFF [min] Dimensions (W x H x D) [mm] 56 x 178 x Weight [kg] Permissible ambient temperature [°C] 5 - Permissible relative humidity [%] Protection class according to DIN EN 60529 Voltage [V] 230 / 115 / 55 Frequency [Hz]		
Motor rating input [W] Motor rating output [W] Volume range min. (H2O) [I] Viscosity max. [mPas] Speed range [rpm] Speed display Speed control Noise without element [dB(A)] Extension arm diameter [mm] Extension arm length [mm] Process type Power-on time ON [min] Power-on time OFF [min] Dimensions (W x H x D) [mm] Weight [kg] Permissible ambient temperature [°C] Permissible relative humidity [%] Protection class according to DIN EN 60529 Voltage [V] Frequency [Hz]		
Motor rating output [W] Volume range min. (H2O) [I] 0.00 Volume range max. (H2O) [I] 50 Viscosity max. [mPas] 50 Speed range [rpm] 8000 - 300 Speed display 50 Speed control stepl Noise without element [dB(A)] Extension arm diameter [mm] Extension arm length [mm] 7 Process type ba Power-on time ON [min] 7 Power-on time OFF [min] 56 x 178 x Weight [kg] 7 Permissible ambient temperature [°C] 5 - 7 Permissible relative humidity [%] 7 Protection class according to DIN EN 60529 1P Voltage [V] 230 / 115 / 15 Frequency [Hz] 50	Technical Data	
Volume range min. (H2O) [I] 0.00 Volume range max. (H2O) [I] 50 Viscosity max. [mPas] 50 Speed range [rpm] 8000 - 300 Speed display 50 Speed control stepl Noise without element [dB(A)] Extension arm diameter [mm] Extension arm length [mm] Frocess type Power-on time ON [min] Power-on time OFF [min] Dimensions (W x H x D) [mm] 56 x 178 x Weight [kg] Permissible ambient temperature [°C] 5 - Permissible relative humidity [%] Protection class according to DIN EN 60529 IP Voltage [V] 230 / 115 / ° Frequency [Hz] 50	Motor rating input [W]	125
Volume range max. (H2O) [I] Viscosity max. [mPas] 56 Speed range [rpm] 8000 - 300 Speed display 50 Speed control stepl Noise without element [dB(A)] Extension arm diameter [mm] Extension arm length [mm] Frocess type Power-on time ON [min] Fower-on time OFF [min] Dimensions (W x H x D) [mm] 56 x 178 x Weight [kg] Fermissible ambient temperature [°C] 5 - Permissible relative humidity [%] Protection class according to DIN EN 60529 IP Voltage [V] 230 / 115 / · Frequency [Hz] 50	Motor rating output [W]	75
Viscosity max. [mPas] 55 Speed range [rpm] 8000 - 300 Speed display sc Speed control stepl Noise without element [dB(A)] [dB(A)] Extension arm diameter [rmm]	Volume range min. (H2O) [I]	0.0005
Speed range [rpm] 8000 - 300 Speed display sc Speed control step! Noise without element [dB(A)] [dB(A)] Extension arm diameter [rmm]	Volume range max. (H2O) [I]	0.1
Speed display sec Speed control step! Noise without element [dB(A)] Extension arm diameter [mm] Extension arm length [mm] Frocess type Power-on time ON [min] ba Power-on time OFF [min] Dimensions (W x H x D) [mm] 56 x 178 x Weight [kg] Permissible ambient temperature [°C] 5 - Permissible relative humidity [%] Protection class according to DIN EN 60529 IP Voltage [V] 230 / 115 / ° Frequency [Hz] 50	Viscosity max. [mPas]	5000
Speed control Noise without element [dB(A)] Extension arm diameter [mm] Extension arm length [mm] Process type bare bare power-on time ON [min] Power-on time OFF [min] Dimensions (W x H x D) [mm] 56 x 178 x Weight [kg] Permissible ambient temperature [°C] 5- Permissible relative humidity [%] Protection class according to DIN EN 60529 IP Voltage [V] 230 / 115 / 5- Frequency [Hz] 500	Speed range [rpm] 8000	- 30000
Noise without element [dB(A)] Extension arm diameter [mm] Extension arm length [mm] Process type bare bare bare bare bare bare bare bar	Speed display	scale
Extension arm diameter [mm] Extension arm length [mm] Process type bare Power-on time ON [min] Power-on time OFF [min] Dimensions (W x H x D) [mm] 56 x 178 x Weight [kg] Permissible ambient temperature [°C] 5- Permissible relative humidity [%] Protection class according to DIN EN 60529 IP Voltage [V] 230 / 115 / Frequency [Hz] 50	Speed control	stepless
Extension arm length [mm] Process type	Noise without element [dB(A)]	65
Process type base Power-on time ON [min]	Extension arm diameter [mm]	8
Power-on time ON [min] Power-on time OFF [min] Dimensions (W x H x D) [mm]	Extension arm length [mm]	100
Power-on time OFF [min]	Process type	batch
Dimensions (W x H x D) [mm] 56 x 178 x Weight [kg] Permissible ambient temperature [°C] 5- Permissible relative humidity [%] Protection class according to DIN EN 60529 Voltage [V] 230 / 115 / Frequency [Hz] 50	Power-on time ON [min]	10
Weight [kg] Permissible ambient temperature [°C] 5 - Permissible relative humidity [%] Protection class according to DIN EN 60529 Voltage [V] 230 / 115 / Frequency [Hz] 50	Power-on time OFF [min]	5
Permissible ambient temperature [°C] 5 - Permissible relative humidity [%] Protection class according to DIN EN 60529 Voltage [V] 230 / 115 / Frequency [Hz] 50	Dimensions (W x H x D) [mm] 56 x	178 x 66
Permissible relative humidity [%] Protection class according to DIN EN 60529 Voltage [V] Frequency [Hz] S0	Weight [kg]	0.5
Protection class according to DIN EN 60529 IP Voltage [V] 230 / 115 / Frequency [Hz] 50	Permissible ambient temperature [°C]	5 - 40
Voltage [V] 230 / 115 / Frequency [Hz] 50	Permissible relative humidity [%]	80
Frequency [Hz] 50	Protection class according to DIN EN 60529	IP 30
	Voltage [V] 230 / 1	115 / 100
Power input [W]	Frequency [Hz]	50/60
	Power input [W]	125
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