

IKA's ULTRA-TURRAX® – used for homogenizing, emulsifying or suspending. The digital display allows you to keep track of the speed and the development of the products focused on a soft start of the motor. There is a broad spectrum of dispersing tools to choose from. Common disperser applications include: homogenization of effluent samples, dispersing tasks under vacuum pressure, and PCR analysis.

T 25 EASY CLEAN DIGITAL AND CONTROL

/// The new dispersing experience



More quiet, clean and even remote controlled: The T 25 easy clean high-performance disperser in the digital and control versions will change your dispersing experience. These instruments hit the spot with electronic speed control from 3000 – 25 000 rpm, a working volume of 1 – 2000 ml (water), a long service life both for the drive and tools, as well as a wide range of dispersing tools to choose from. Medical samples are perfectly homogenised, cosmetics emulsified and paints suspended.



ELECTRONICALLY COMMUTATED MOTOR

IKA applies a new motor technology to the devices in the T 25 easy clean series: The brushless DC motor, with a noise level of 70 dB, ensures a significant noise reduction in the lab. It also allows carbon dust-free operation.

EASY CLEANING

Easy clean means: The dispersing element is easily cleaned without disassembly, thanks to its manually extendable rotor.

INTEGRATED TEMPERATURE MEASUREMENT

Yet another highlight is the patented, integrated temperature measurement in the T 25 easy clean control version. The temperature sensor is integrated into the tool and thus enables the permanent monitoring of the medium temperature.

ULTRA-TURRAX® Tube Drive

Ident. No. 0003646000

**ULTRA-TURRAX® Tube Drive
P control Workstation**

Ident. No. 0020022030

**ULTRA-TURRAX® Tube Drive
P control**

Ident. No. 0025005981

**TECHNICAL DATA**

	UTTD® TUBE DRIVE	UTTD® TUBE DRIVE P CONTROL	UTTD® TUBE DRIVE P CONTROL WORKSTATION
Process type	Batch	Batch	Batch
Speed range	300 – 6000 rpm	400 – 8000 rpm	400 – 8000 rpm
Timer	–	OLED	OLED
Noise without element	50 dB(A)	50 dB(A)	50 dB(A)
Reversible direction of rotation	–	Yes	Yes
Viscosity max.	5000 mPas	5000 mPas	5000 mPas
Dimensions (W x H x D)	100 x 40 x 160 mm	122 x 54 x 178 mm	122 x 54 x 178 mm
Dimension case (W x H x D)			270 x 78 x 225 mm
Protection class according to DIN EN 60529	IP 20	IP 20	IP 20



ST-20

ST-50-M

Product	Description	Ident. No.
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ST TUBES WITH STIRRING ELEMENT

ST-20	Tube with stirring element, 20 ml, 25 pcs.	0003703000
ST-20-M-gamma	Tube with stirring element, sterile, 20 ml, 20 pcs., membrane lid	0003700500
ST-50	Tube with stirring element, 50 ml, 10 pcs.	0003699500
ST-50-M-gamma	Tube with stirring element, sterile, 50 ml, 10 pcs., membrane lid	0003701500



DT-20

DT-50-M

DT TUBES WITH ROTOR-STATOR ELEMENT

DT-20	Tube with rotor-stator element, 20 ml, 25 pcs.	0003703100
DT-20-M-gamma	Tube with rotor-stator element, sterile, 20 ml, 20 pcs., membrane lid	0003700600
DT-20 eco	Tube with rotor-stator element, 20 ml, 25 pcs.	0020003207
DT-50	Tube with rotor-stator element, 50 ml, 10 pcs.	0003699600
DT-50-M-gamma	Tube with rotor-stator element, sterile, 50 ml, 10 pcs., membrane lid	0003701600
DT-50 eco	Tube with rotor-stator element, 50 ml, 10 pcs., membrane lid	0020003213

BMT G | S TUBES FOR GRINDING WITH GLASS (G) OR STAINLESS STEEL (S) BALLS

BMT-20-G-M

BMT-20-S-IVD.50

BMT-20-S	Tube with stirring element, stainless steel balls, 20 ml, 25 pcs.	0003703200
BMT-20-G	Tube with stirring element, glass balls, 20 ml, 25 pcs.	0003703300
BMT-20-S-M-gamma	Tube with stirring element, sterile, stainless steel balls, 20 ml, 20 pcs., membrane lid	0003700701
BMT-20-G-M-gamma	Tube with stirring element, sterile, glass balls, 20 ml, 20 pcs., membrane lid	0020017448
BMT-20-S-IVD.50	Tube with stirring element, sterile, IVD label, stainless steel balls, 5 ml NaCl solution, 20 ml, 50 pcs.	0020019573
BMT-50-S	Tube with stirring element, stainless steel balls, 50 ml, 10 pcs.	0003699700
BMT-50-G	Tube with stirring element, glass balls, 50 ml, 10 pcs.	0003699800
BMT-50-S-M-gamma	Tube with stirring element, sterile, stainless steel balls, 50 ml, 10 pcs., membrane lid	0003701700



DIS-50-S-M

DIS-300-S-M

Product	Description	Ident. No.
TUBES WITH DISSOLVER ELEMENT AND MEMBRANE LID		
DIS-50-S-M.10	Tube with dissolver blade, 50 ml, 10 pcs., stainless steel	0020016316
DIS-50-T-M.10	Tube with dissolver blade, 50 ml, 10 pcs., titanium	0020016317
DIS-300-S-M.10	Tube with dissolver blade, 300 ml, 10 pcs., stainless steel	0020016318
DIS-300-S-M.50	Tube with dissolver blade, 300 ml, 50 pcs., stainless steel	0020017313

TUBES WITH DISSOLVER ELEMENT

DIS-300-S.10	Tube with dissolver blade, 300 ml, 10 pcs., stainless steel	0020026959
DIS-300-S.50	Tube with dissolver blade, 300 ml, 50 pcs., stainless steel	0020026960

COVERS

TC-20-M	Cover, pierceable membrane, 25 pcs.	0003749900
TC-50-M	Cover, pierceable membrane, 10 pcs.	0003750000



TC-50-M

BALLS FOR BMT TUBE

Glass balls 6	Glass balls, 250 g	0003599200
Stainless steel balls 5	Stainless steel balls, 250 g	0003599300

BMT-20-S-IVD**/// For use in human medicine**

BMT-20-S-IVD* is a universally applicable disposable mixing vessel for use in human medicine and infection diagnostics. The gamma-sterilized tube contains a stirring unit, 10 stainless steel balls and 5 ml of saline solution and has a screw-on cover with pierceable membrane. BMT-20-S-IVD facilitates and improves microbiological and molecular-biological analysis of patient samples such as tissue or intraoperative samples.

REDUCED RISK OF CONTAMINATION

No cross-contamination as sample is directly ground inside the vessel, no multiple opening of sample vessel required.

TIME SAVING

Disposable system, shorter sample preparation times, no cleaning of additional vessels.

TRACEABILITY

One single process for transport, grinding / homogenization and storage.

*Currently released distribution countries are United Kingdom, Switzerland, Spain, Malta, Luxembourg, Liechtenstein, Italy, Ireland, Iceland, Germany, France, Estonia, Belgium, Austria.

T 10 basic ULTRA-TURRAX®

Ident. No. 0003737000

**T 18 digital ULTRA-TURRAX®**

Ident. No. 0003720000

**T 25 digital ULTRA-TURRAX®**

Ident. No. 0003725000

**T 50 digital ULTRA-TURRAX®**

Ident. No. 0003787000



TECHNICAL DATA	T 10 BASIC ULTRA-TURRAX®	T 18 DIGITAL ULTRA-TURRAX®	T 25 DIGITAL ULTRA-TURRAX®	T 50 DIGITAL ULTRA-TURRAX®
Process type	Batch	Batch	Batch	Batch
Speed range	8000 – 30 000 rpm	3000 – 25 000 rpm	3000 – 25 000 rpm	600 – 10 000 rpm
Volume range (H ₂ O)	0.0005 – 0.1 l	0.001 – 1.5 l	0.001 – 2.0 l	0.25 – 30 l
Speed control	Stepless	Stepless	Stepless	Stepless
Noise without element	65 dB(A)	75 dB(A)	75 dB(A)	72 dB(A)
Extension arm length	100 mm	160 mm	160 mm	220 mm
Viscosity max.	5000 mPas	5000 mPas	5000 mPas	5000 mPas
Dimensions (W × H × D)	56 × 178 × 66 mm	87 × 271 × 106 mm	87 × 271 × 106 mm	115 × 355 × 139 mm
Protection class according to DIN EN 60529	IP 30	IP 20	IP 20	IP 20

T 25 easy clean digital

Ident. No. 0025006537

**T 25 easy clean control**

Ident. No. 0025006540



Patented integrated
temperature
measurement

T 65 basic ULTRA-TURRAX®

Ident. No. 0004023500

**T 65 digital ULTRA-TURRAX®**

Ident. No. 0004234500



TECHNICAL DATA	T 25 EASY CLEAN DIGITAL CONTROL	T 65 BASIC ULTRA-TURRAX®	T 65 DIGITAL ULTRA-TURRAX®
Process type	Batch	Batch	Batch
Speed range	3000 – 25 000 rpm	7200 rpm	1000 – 9500 rpm
Volume range (H ₂ O)	0.001 – 2.0 l	2 – 50 l	2 – 50 l
Speed control	Stepless	–	Stepless
Noise without element	70 dB(A)	75 dB(A)	75 dB(A)
Extension arm length	160 mm		
Viscosity max.	5000 mPas	5000 mPas	5000 mPas
Dimensions (W × H × D)	89 × 270 × 161 mm	185 × 450 × 400 mm	300 × 390 × 400 mm
Protection class according to DIN EN 60529	IP 30	IP 54	IP 54



Product	Description	Ident. No.
DISPERSING ELEMENTS FOR T 10 BASIC		
S 10 N - 8 G - ST	Dispersing element, saw-tooth, Ø 8 mm	0004446500
S 10 N - 10 G - ST	Dispersing element, saw-tooth, Ø 10 mm	0004446700
S 10 N - 5 G	Dispersing element, Ø 5 mm	0003304000
S 10 N - 8 G	Dispersing element, Ø 8 mm	0003305500
S 10 N - 10 G	Dispersing element, Ø 10 mm	0003370100
S 10 D - 7 G - KS - 65	Plastic dispersing element, Ø 7 mm, 24 pcs.	0020002076
S 10 D - 7 G - KS - 110	Plastic dispersing element, Ø 7 mm, 24 pcs.	0020002075
DISPERSING ELEMENTS FOR T 18 DIGITAL		
S 18 N - 10 G	Dispersing element, Ø 10 mm	L004639
S 18 N - 19 G	Dispersing element, Ø 19 mm	L004640
S 18 D - 10 G - KS	Plastic dispersing element, Ø 10 mm, 12 pcs.	0003452400
S 18 D - 14 G - KS	Plastic dispersing element, Ø 14 mm, 12 pcs.	0003452300
S 18 25-ET50	Disposable tube	0003452500



Product	Description	Ident. No.
DISPERSING ELEMENTS FOR T 25 DIGITAL		
S 25 N - 8 G - ST	Dispersing element, saw-tooth, Ø 8 mm	0004446900
S 25 N - 10 G - ST	Dispersing element, saw-tooth, Ø 10 mm	0004447100
S 25 N - 18 G - ST	Dispersing element, saw-tooth, Ø 18 mm	0004447300
S 25 N - 25 G - ST	Dispersing element, saw-tooth, Ø 25 mm	0004447500
S 25 N - 8 G	Dispersing element, Ø 8 mm	0001024200
S 25 N - 10 G	Dispersing element, Ø 10 mm	0000594000
S 25 N - 18 G	Dispersing element, Ø 18 mm	0000593400
S 25 KV - 18 G	Dispersing element, Ø 18 mm	0002348000
S 25 N - 25 G	Dispersing element, Ø 25 mm	0001713300
S 25 KV - 25 G	Dispersing element, Ø 25 mm	0002466900
S 25 N - 25 F	Dispersing element, Ø 25 mm	0001713800
S 25 KV - 25 F	Dispersing element, Ø 25 mm	0002404000
S 25 KV - 2802	Dissolver stirrer, high speed	0020008825
S 25 D - 10 G - KS	Plastic dispersing element, Ø 10 mm, 12 pcs.	0003452200
S 25 D - 14 G - KS	Plastic dispersing element, Ø 14 mm, 12 pcs.	0003452100
S 25 KD - 18 G	Dispersing element, Ø 18 mm	0020002971
S 25 KD - 25 G	Dispersing element, Ø 25 mm	0020002972
S 25 KD - 18 G - ST	Dispersing element, saw-tooth, Ø 18 mm	0020002973
S 25 KD - 25 G - ST	Dispersing element, saw-tooth, Ø 25 mm	0020002974
S 25 KD - 25 F	Dispersing element, Ø 25 mm	0020002975
S 25 KD - LR - 25 G	Dispersing element, Ø 25 mm	0025007321
S 25 KD - LR - 25 F	Dispersing element, Ø 25 mm	0025007322
Silentstream	Flow breaker	0003754000
S 18 25-ET50	Disposable tube	0003452500
TS 25-3	Cleaning tool	0020003013
CT.15	Cleaning tube	0020006595

Prevents
vortexing



Silentstream



TS 25-3

S 25 EC - C - 18G - ST



S 25 EC - T - C - 25 F

Product	Description	Ident. No.
DISPERSING ELEMENTS FOR T 25 EASY CLEAN DIGITAL AND CONTROL		
S 25 EC - T - C - 18 G - ST	Dispersing element, Ø 18 mm, temperature measurement	0020007032
S 25 EC - C - 25 G - ST	Dispersing element, Ø 25 mm	0025002590
S 25 EC - C - 25 F	Dispersing element, Ø 25 mm	0025007215
S 25 EC - C - 18 G - ST	Dispersing element, Ø 18 mm	0025007399
S 25 EC - T - C - 25 G - ST	Dispersing element, Ø 25 mm, temperature sensor	0025002595
S 25 EC - T - C - 25 F	Dispersing element, Ø 25 mm, temperature sensor	0025007199
HS 25 EC - DW	Holder S 25 EC for dish washer	0025007380
WICO	Wireless remote control	0025006310

DISPERSING ELEMENTS FOR T 50 DIGITAL

S 50 KG - HH - G 45 G	Dispersing element, Ø 45 mm	0008003200
S 50 KG - HH - G 45 G - ST	Dispersing element, Ø 45 mm	0010000648
S 50 KG - HH - G 45 M	Dispersing element, Ø 45 mm	0008003500
S 50 KG - HH - G 45 F	Dispersing element, Ø 45 mm	0008004100
S 50 N - G 45 G	Dispersing element, Ø 45 mm	0008003000
S 50 N - G 45 M	Dispersing element, Ø 45 mm	0008003300
S 50 N - G 45 F	Dispersing element, Ø 45 mm	0008003900
S 50 N - G 45 G - ST	Dispersing element, saw-tooth, Ø 45 mm	0008039500
S 50 KD - G 45 G	Dispersing element, Ø 45 mm	0010000629
S 50 KD - G 45 G - ST	Dispersing element, saw-tooth, Ø 45 mm	0010000632
S 50 KD - G 45 M	Dispersing element, Ø 45 mm	0010000630
S 50 KD - G 45 F	Dispersing element, Ø 45 mm	0010000631
R 50	Stirring shaft, high speed	0001689300
R 1405	Propeller, Ø 45 mm	0001289800
R 1402	Dissolver, Ø 42 mm	0001243300
S 50 N - W 65 SK	Dispersing element with cutting head, Ø 65 mm	0008005100
S 50 N - W 80 SMK	Jet mixer head, Ø 80 mm	0008006300



S 50 KG - HH - G 45 G - ST



S 50 N - W 65 SK



S 65 C - G 65 G



S 65 KD - G 65 M



D 80

Product	Description	Ident. No.
DISPERSING ELEMENTS FOR T 65 BASIC AND DIGITAL		
S 65 KG - HH - G 65 G	Dispersing element, Ø 65 mm	0008005500
S 65 KG - HH - G 65 M	Dispersing element, Ø 65 mm	0008005700
S 65 KG - HH - G 65 F	Dispersing element, Ø 65 mm	0008005900
S 65 C - G 65 G	Dispersing element, Ø 65 mm	0010001665
S 65 C - G 65 M	Dispersing element, Ø 65 mm	0010001666
S 65 C - G 65 F	Dispersing element, Ø 65 mm	0010001667
S 65 KD - G 65 G	Dispersing element, Ø 65 mm	0010000641
S 65 KD - G 65 M	Dispersing element, Ø 65 mm	0010000642
S 65 KD - G 65 F	Dispersing element, Ø 65 mm	0010000643
D 60	Dissolver, Ø 60 mm	0020008388
D 80	Dissolver, Ø 80 mm	0020008389

NOMENCLATURE DISPERSING ELEMENTS

Shaft	Outer diameter of stator		Saw-tooth
S 50	KG - HH - G	45	G - ST
	Sealing and bearing	Generator or element	Degree of fineness achieved
			G = Coarse M = Medium F = Fine
		G = Proved configuration W = Special element	
N = PTFE bearing KV = Ball bearing with vacuum-tight sliding-ring seal with silicon carbide seal rings KG - HH = Ball bearing with sliding-ring seals of hard metal alloy with FFPM seals rings C = Ceramic bearing KD = Ball bearing with PTFE seal and FFKM O-ring			