

## Hoja de Datos

Triturar / Dispersores



### ULTRA-TURRAX® Tube Drive control Workstation

Workstation consists of ULTRA-TURRAX® Tube Drive control , 1 x ST-20, 1 x DT-20 incl. 1 removal hook for removal the rotor-stator unit, 2 x BMT-20 G / S, power supply.

Unique and universal dispersing, stirring, homogenizing and grinding system with hermetically sealable disposable sample tubes. Protection and security for: Infectious sample materials, toxic substances, high-odor substances under defined conditions (time, energy, volume).

The sample containers (tubes) are easily attached to the drive unit. Desired speed and duration are set, then the test is started. An acoustic signal indicates completion of experiment. The tests are any time reproducible and there is no cross-contamination between the samples.

- USB interface for control and documentation
- Collecting tray for protection against leaking liquids
- Simple and precise menu navigation thanks to the OLED display
- Programmable sample conditions (library)
- Adjustable reverse operation
- Turbo-button for short time intensive mixing, homogenizing or grinding
- Multilingual menu
- Digital display for all functions
- Disperse, stir, homogenize and grind using a single drive unit
- No possibility of cross-contamination
- Hermetically sealable disposable sample tubes
- No cleaning required
- High level of user safety
- Suitable for individual use and use in series
- Gamma-sterilized tubes
- Tubes with piercable membrane covers
- Tubs with 2 - 15 ml and 15 - 50 ml
- Anti-locking function
- Increases safety due to low voltage (24 V)
- Chemical-resistant plastic
- Simple and safe disposal
- Worldwide service guaranteed by IKA
- Reproducible tests
- Patented

Application areas: Human medicine, pathology, veterinary medicine, animal hygiene insti-tutes, Clinical diagnosis research, Foodstuffs testing laboratories, Diagnostic laboratories, Toxicology, Medical research, Pharmaceutical research, Biological research, Tumour biology, Immunology, Chemistry, Cosmetics

#### Información Técnica

Potencia del consumo del motor [W]	28
Potencia del suministro del motor [W]	17
Max. viscosidad [mPas]	5000
Rango de velocidad [rpm]	400 - 8000
Dirección reversible de la rotación	sí
Desviación de velocidad [%]	3
Indicador de velocidad	OLED
Control de velocidad	10 pasos de RPM
Ruido sin el elemento [dB(A)]	50
Tipo de proceso	lote
Contador de tiempo	sí
Indicador del contador del tiempo	OLED
Dimensiones (An x Al x Pr) [mm]	122 x 54 x 178
Peso [kg]	0.9
Temperatura ambiental permitida [°C]	5 - 40
Humedad relativa permitida [%]	80
Clase de protección de acuerdo al DIN EN 60529	IP 20
Interfaz de USB	sí
Voltaje [V]	100 - 240
Frecuencia [Hz]	50/60
Consumo de energía [W]	20
Voltaje DC [V=]	24
Consumo de energía [mA]	800
<b>No. ref.</b>	<b>0003827500</b>

Accesorios: ST-20 Tubo agitador (25x), DT-20 Tubo de Dispersion (25x), BMT-20 S Tubo para moler con esferas de acero inoxidable (25x), BMT-20 G Tubo para moler con esferas de vidrio (25x), ST-20-M-gamma Tube with stirring device (20x), DT-20-M-gamma Tube with rotor-stator element (20x), BMT-20-S-M-gamma Tube for grinding with stainless steel balls (20x), ST-50 Tubo Agitador (10x), DT-50 Tubo de Dispersion (10x), BMT-50 S Tubo para moler con esferas de acero inoxidable (10x), BMT-50 G Tubo para moler con esferas de vidrio (10x), ST-50-M Tube with stirring device (10x), DT-50-M Tube with rotor-stator element (10x), BMT-50-S-M Tube for grinding with stainless steel balls (10x), BMT-50-G-M Tube for grinding with glass balls (10x), ST-50-M-gamma Tube with stirring device (10x), DT-50-M-gamma Tube with rotor-stator element (10x), BMT-50-S-M-gamma Tube for grinding with stainless steel balls (10x), TC-20 Cubierta, TC-50 Cubierta, TC-20-M con membrana perforables, TC-50-M con membrana perforables, , , labworldsoft®