

## MST basic and MST basic C

### Magnetic stirrers with heating

- With adjustable safety temperature circuit
- With magnetic inductive stirring drive
- With hotplate technology for fast heat-up cycles

The MST is available in two versions:



**MST basic**  
with a stainless steel heating plate for short heating cycles

Ident. No. 2987000 621,00 EUR



**MST basic C**  
with a chemical resistant white coated heating plate surface

Ident. No. 2989900 621,00 EUR

Stirring quantity (H <sub>2</sub> O)	15 l
Motor rating input	30 W
Speed range	15 - 1.250 min <sup>-1</sup>
Heat output	600 W
Temperature range	RT - 300 °C ± 20 K
Power consumption	max. 630 W
Separate adjustable	
safety temperature circuit	50 - 350 °C ± 20 K
Control accuracy of medium during operation with contact thermometer TC 3	± 0,5 K
Contact thermometer connection	DIN 12878
Heating plate diameter	135 mm
Dimensions (W x D x H)	160 x 280 x 85 mm
Weight	3,2 kg
Protection class acc. to DIN EN 60529	IP 43



### IKA®-magnetic inductive drive

The innovative coil drive consists of 8 coils. It has high traction power and is maintenance-free. It also guarantees wear-free operation and the highest level of precision, since the drive contains no mechanically moving parts. Thanks to the new "micro-step" activation for speeds less than 150 min<sup>-1</sup>, speeds with good circularity are possible beginning at 15 min<sup>-1</sup>.



### Package price

(MST basic or MST basic C, TC 3, H 16 V, H 38, H 44, protection cover H 88)

**651,00 EUR**

MST basic - Package Ident. No. 9011900  
MST basic C - Package Ident. No. 9011800

## TC 3

Ident. No. 3657000

258,00 EUR

### New electronic contact thermometer

With optimised PID control and RESET function, incl. sensor H 62.51. For magnetic stirrers and heating plates according to DIN 12878 cl.2. Ensures perfect temperature control without overshooting the set temperature, even in the case of quick heating.

- Digital temperature display

Sensor	PT 1000
Measuring / control range	-50 - 450 °C
Resolution	0,1 K
Setting accuracy	0,1 K
Measuring accuracy	± 0,2 + Sensor tolerance PT 1000, DIN IEC 751 Class A
Control deviation	± 0,5 K
Protection class acc. to DIN EN 60529	IP 54



### Support rod H 16 V

Ident. No. 1545100

Support rod made of stainless steel for secure clamping of the electronic contact thermometer TC 3 to the MSC basic C.

49,00 EUR

Diameter	10 mm
Length	450 mm



### Boss head clamp H 44

Ident. No. 2437700

The boss head clamp H 44 is used to fasten the holding rod H 38 to the support rod H 16 V.

21,50 EUR

### Holding rod H 38

Ident. No. 3547700

The holding rod is used to support the electronic contact thermometer TC 3 to the support rod H 16 V.

21,50 EUR



### Protection cover H 88

Ident. No. 3379500

Material silicone

9,10 EUR

