

## TTS 3 digital / TTS 3 control

### Small-sized shakers

Compact, universal small shakers suitable for shaking tasks with all small vessels and microtiter plates



- Wide range of attachments
- Attachment detection
- Timer with countdown function
- Continuous or touch operation (with standard attachment)

■ Two operating modes:

**Mode A (safe mode with attachment detection)**

The maximum speed of 3.000 min<sup>-1</sup> is only reached with the standard attachment in touch mode. When using other attachments the speed is limited to 1.300 min<sup>-1</sup>.

**Mode B (without attachment detection)**

A speed of 3.000 min<sup>-1</sup> is possible with all attachments.

- Stable in all speed ranges
- Sturdy zinc die cast casing

### TTS 3 control\* with additional features:

- LCD display
- Digital display presents set and actual speed
- RS 232 interface

Shaking motion	orbital
Orbital diameter	4,5 mm
Max. permitted shaking weight (with attachment)	0,5 kg
Motor rating input / output	10 / 8 W
Permissible ON-time	100 %
Infinitely adjustable speed range	0 - 3.000 min <sup>-1</sup>
Speed display	scale
Dimensions (W x D x H)	148 x 205 x 63 mm
Weight	2,9 kg
Protection class acc. to DIN EN 60529	IP 21
Plug-in power supply unit	100 - 240 V 50/60 Hz



TTS 3 digital incl. attachments  
(MS 3.1, MS 3.3, MS 1.21, MS 3.4, MS 1.32)  
**395,00 EUR**  
Ident. No. 3627000



**MS 1.34 Test tube insert** Ident. No. L001830  
Without bore holes, for adding any number of holes 16,40 EUR



**MS 1.33 Test tube insert** Ident. No. L001860  
4 bore holes, Ø 15 mm 34,00 EUR



**MS 1.32 Test tube insert** Ident. No. L001850  
6 bore holes, Ø 10 mm 34,00 EUR



**MS 1.31 Test tube insert** Ident. No. L001840  
14 bore holes, Ø 8 mm 34,00 EUR



**MS 1.21 One-hand insert** Ident. No. L001540  
Foam inlay 9,80 EUR



**MS 3.1 Standard attachment** Ident. No. 3426300  
For mounting test tubes and other small vessels of up to 30 mm in diameter. 11,10 EUR

**MS 3.3 Universal attachment** Ident. No. 3426600  
11,10 EUR

**MS 3.4 Microtiter plate attachment** Ident. No. 3426400  
31,00 EUR

## lab dancer vario

Test tube shaker

New test tube shaker with touch function, specially for mixing small sample volumes



- Can be used with all small vessels of up to 30 mm in diameter, e. g. test tubes, centrifuge tubes, Eppendorf vessels
- Excellent mixing action
- The upper casing and the test tube surface are made from inert plastic, coated zinc die cast base
- Speed can be set from 1.000 - 2.800 min<sup>-1</sup>
- Includes light 12 V power pack set



lab dancer vario  
**157,00 EUR**

Ident. No. 3417700

Shaking motion	orbital
Orbital diameter	4,5 mm
Max. permitted shaking weight (with attachment)	0,1 kg
Motor rating input / output	1,2 / 0,8 W
Permissible ON-time	100 %
Infinitely adjustable speed range	1.000 – 2.800 min <sup>-1</sup>
Material Casing	PP
Attachment	TPU
Bottom	zinc, coated
Dimensions (W x D x H)	95 x 110 x 70 mm
Weight	0,55 kg
Protection class acc. to DIN EN 60529	IP 40

## OS 2 basic

Orbital shaker

- Cost effective orbital shaker that includes universal attachment, 2 clamping rolls and 4 fastening screws
- Very stable and sturdy housing – concrete casing
- With constant torque through micro-processor-driven control
- Wide adjustable speed range
- Drive protected against overload
- Intrinsically safe by permanent supervision of all electric components
- Incl. protection cover
- Awarded with the design prize “Roter Punkt”



Shaking motion	orbital
Orbital diameter	4 mm
Max. permitted shaking weight (with attachment)	2 kg
Motor rating input / output	45 / 10 W
Permissible ON-time	100 %
Infinitely adjustable speed range	0 - 1.100 min <sup>-1</sup>
Speed display	scale
Dimensions (W x D x H)	375 x 383 x 152 mm
Weight	11,6 kg
Protection class acc. to DIN EN 60529	IP 21

OS 2 basic incl. attachment

**645,00 EUR**

Ident. No. 3295000