



### Mixers, vortex, small, MS 3 basic and MS 3 digital



- Wide range of attachments
- Attachment detection
- Continuous or touch operation (with standard attachment)
- 100% ON time permissible
- Stable at all speeds
- Sturdy zinc die cast casing
- MS 3 digital with additional timer and countdown function
- Orbital shaking movement
- Two operating modes:

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

The maximum speed of 3,000rpm is only reached with the standard attachment in touch mode.

When using other attachments the speed is limited to 1,300rpm

#### **Mode B** (without attachment detection)

A speed of 3,000rpm is possible with all attachments

Compact, universal, small shaker suitable for shaking tasks with all small vessels and microtitre plates.

The MS 3 basic is supplied with the following attachments: 10473472, 10135232, 10314381

The MS 3 digital is supplied with the same attachments PLUS: 10378672

#### Technical Specification - Specific

	MS3 basic	MS3 digital
Timer	No	Yes
Control/ operation	Continuous/touch operation	Timer and continuous mode operation

#### Technical Specification - General

Type of movement	Orbital
Orbit diameter, mm	4.5
Capacity, kg	0.5 (max with attachment)
Motor rating, input output, W	8 (Output)
Speed range, rpm	0 to 3,000 (infinitely adjustable)
Display type	Scale
Time	1s to 999min
Dimensions [w x d x h], mm	148 x 205 x 63
Mass, kg	2.9
Protection class	IP 21

Catalogue No	Legacy No	Description
10492342	-	MS 3 basic
10287462	-	MS 3 digital

#### Accessories and spares

Catalogue No	Legacy No	Description
10473472	-	MS 3.1 Standard attachment for test tubes and small vessels up to 50mm dia.
10135232	-	MS 3.3 Universal attachment for various foam inserts
10378672	-	MS 3.4 Microtitre attachment for a microtitre plate
10314381	-	MS 1.21 One-hand insert for inserting into universal attachment