# **Technical Specifications**

## Hei-MIX Shakers and Mixers

| Model                             |              |
|-----------------------------------|--------------|
| Motion                            |              |
| Rotation speed                    |              |
| Rotation speed setting            |              |
| Orbit/stroke                      |              |
| Operating mode                    |              |
| Timer                             |              |
| Power input                       |              |
| Weight                            |              |
| Dimensions                        | w/d/h        |
| Platform size                     | w/d          |
| Accessories included              |              |
| Load capacity                     |              |
| Overheat protection               |              |
| Permissible<br>ambient conditions |              |
| Protection class                  | DIN EN 60529 |
|                                   |              |

| circular vil | orating  |        |
|--------------|--|--------|
| 0-2,500      | rpm  |        |
| analog/±s    | cale   |        |
| 5 mm         |  |        |
| automatic    | or continuous                                    | 5      |
| -            |  |        |
| 51 W         |  |        |
| 2.8 kg       |  |        |
| 134×172      | ×105 mm  |        |
| -            |  |        |
| _            |  |        |
| -            |  |        |
| self-reset   | ting   |        |
| 32-40°C      | at 80% rel. hu<br>decreasing li<br>. 50% rel. hu | nearly |
| IP 22        |  |        |

Reax top

| R | leax | соп | trol |
|---|------|-----|------|
|   |      |     |      |

circular vibrating 0–2,500 rpm analog/numbered scale 5 mm automatic or continuous 51 W 2.8 kg 134×172×105mm self-resetting

5–31°C at 80% rel. humidity, 32–40°C decreasing linearly up to max. 50% rel. humidity IP 22

| Model                  |       | Titramax 100       |
|------------------------|-------|--------------------|
| Motion                 |       | circular vibrating |
| Rotation speed         |       | 150–1,350 rpm      |
| Rotation speed setting |       | electronic control |
| Orbit/stroke           |       | 1.5 mm             |
| Angle                  |       | _                  |
| Operating mode         |       | timer or continuo  |
| Timer                  |       | yes                |
| Power input            |       | 31 W               |
| Weight                 |       | 5.5 kg             |
| Dimensions             | w/d/h | 245×310×125r       |
| Platform size          | w/d   | 220×220mm          |
| Accessories included   |       | space for 4 micro  |
| Load capacity          |       | 2 kg               |
|                        |       |                    |

Overheat protection

ambient conditions

Protection class

Permissible

| Titramax 100  | Titramax 10                                 |
|---|---|
| circular vibrating  | circular vibra                              |
| 150–1,350 rpm   | 150-1,350 r                                 |
| electronic control  | electronic co                               |
| 1.5 mm  | 3 mm  |
| -   | _   |
| timer or continuous   | timer or cont                               |
| yes   | yes   |
| 31 W  | 31 W  |
| 5.5 kg  | 5.5 kg                                      |
| 245×310×125mm   | 245×310×1                                   |
| 220×220mm   | 220×220 m                                   |
| space for 4 microtiter plates   | space for 4 n                               |
| 2kg   | 2 kg  |
| self-resetting  | self-resetting                              |
| 5–31 °C at 80% rel. humidity,<br>32–40 °C decreasing linearly<br>up to max. 50% rel. humidity | 5–31 °C at 8<br>32–40 °C de<br>up to max. 5 |
| IP 30   | IP 30                                       |

| itramax 101   |
|---|
| rcular vibrating  |
| 50–1,350 rpm  |
| lectronic control   |
| mm  |
|   |
| mer or continuous   |
| 25  |
| 1 W   |
| .5 kg   |
| 45×310×125mm  |
| 20×220mm  |
| pace for 4 microtiter plates  |
| kg  |
| elf-resetting   |
| – 31 °C at 80% rel. humidity,<br>2 – 40 °C decreasing linearly<br>p to max. 50% rel. humidity |
| °30   |
|   |

| Multi Reax  | Vibramax 100  |  |
|---|---|--|
| circular vibrating  | circular vibrating  |  |
| 150–2,000 rpm   | 150–1,350 rpm   |  |
| digital   | electronic control  |  |
| 3 mm  | 3 mm  |  |
| timer or continuous   | timer or continuous   |  |
| yes   | yes   |  |
| 50 W  | 31 W  |  |
| 9.8 kg  | 5.5 kg  |  |
| 270×410×172 mm  | 245×310×125mm   |  |
| -   | 220×220mm   |  |
| attachment for 12 or 26 vessels   | non-skid rubber mat   |  |
| 1.5 kg  | 2 kg  |  |
| self-resetting  | self-resetting  |  |
| 5–31 °C at 80% rel. humidity,<br>32–40 °C decreasing linearly<br>up to max. 50% rel. humidity | 5–31 °C at 80% rel. humidity,<br>32–40 °C decreasing linearly<br>up to max. 50% rel. humidity |  |
| IP 30   | IP 30   |  |

| Titramax 1000   | Duomax 1030   |  |
|---|---|--|
| circular vibrating  | rocking   |  |
| 150–1,350 rpm   | 2–50 rpm  |  |
| electronic control  | electronic control  |  |
| 1.5 mm  | -   |  |
| -   | 5/10°   |  |
| timer or continuous   | timer or continuous   |  |
| yes   | yes   |  |
| 31 W  | 115W  |  |
| 6.5 kg  | 8 kg  |  |
| 320×375×125mm   | 320×375×185mm   |  |
| 290×258mm   | 290×258mm   |  |
| space for 6 microtiter plates   | non-skid rubber mat   |  |
| 5 kg  | 5 kg  |  |
| self-resetting  | self-resetting  |  |
| 5–31 °C at 80% rel. humidity,<br>32–40 °C decreasing linearly<br>up to max. 50% rel. humidity | 5–31 °C at 80% rel. hum<br>32–40 °C decreasing line<br>up to max. 50% rel. humi |  |
| IP 30   | IP 40   |  |

Standard supply voltage: 230 V. Other supply voltages upon request.

DIN EN 60529

### Vibramax 110

circular vibrating 150–1,350 rpm electronic control 1.5 mm timer or continuous yes 31 W 5.5 kg 245×310×125mm 220×220mm non-skid rubber mat 2 kg self-resetting 5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity

### Rotamax 120

IP 30

| orbital   |
|---|
| 20–300 rpm  |
| electronic control  |
| 20 mm   |
| -   |
| timer or continuous   |
| -   |
| 33 W  |
| 5.5 kg  |
| 245×310×125mm   |
| 220×220mm   |
| non-skid rubber mat   |
| 2 kg  |
| self-resetting  |
| 5–31 °C at 80% rel. humidity,<br>32–40 °C decreasing linearly<br>up to max. 50% rel. humidity |
| IP 30   |
|   |

nidity, early hidity

# **Technical Specifications**

Unimax 1010

30–500 rpm digital 10 mm

timer or continuous

320×375×125mm 290×258mm

non-skid rubber mat

orbital

yes 50 W 8 kg

5kg

## Hei-MIX Shakers and Mixers

| Model                             |              |
|-----------------------------------|--------------|
| Motion                            |              |
| Rotation speed                    |              |
| Rotation speed setting            |              |
| Orbit/stroke                      |              |
| Operating mode                    |              |
| Timer                             |              |
| Power input                       |              |
| Weight                            |              |
| Dimensions                        | w/d/h        |
| Platform size                     | w/d          |
| Accessories included              |              |
| Load capacity                     |              |
| Overheat protection               |              |
| Permissible<br>ambient conditions |              |
| Protection class                  | DIN EN 60529 |

# Model Motion Rotation speed Rotation speed setting Orbit/stroke Operating mode Timer

Power input Weight Dimensions

Platform size

Load capacity Overheat protection

Permissible

ambient conditions

Protection class

Accessories included

|         | °C decreasing linearly<br>ax. 50% rel. humidity                            |  |
|---------|--|--|
| IP 40   |  |  |
|         |  |  |
| Polym   | ax 1040  |  |
| wave    |  |  |
| 2–50 r  | m  |  |
| electro | nic control  |  |
| 5/10°   |  |  |
| timer o | r continuous   |  |
| yes     |  |  |
| 115 W   |  |  |
| 8 kg    |  |  |
| 320×3   | 75×195mm   |  |
| 290×2   | 58 mm  |  |
| non-sk  | d rubber mat   |  |
| 5 kg    |  |  |
| self-re | etting   |  |
| 32-40   | C at 80% rel. humidity,<br>°C decreasing linearly<br>ax. 50% rel. humidity |  |

| Unimax 2010   |  |
|---|--|
| orbital   |  |
| 20-400 rpm  |  |
| digital   |  |
| 20 mm   |  |
| timer or continuous   |  |
| yes   |  |
| 115W  |  |
| 16kg  |  |
| 426×435×135mm   |  |
| 390×340 mm  |  |
| non-skid rubber mat   |  |
| 10 kg   |  |
| self-resetting  |  |
| 5–31 °C at 80% rel. humidity,<br>32–40 °C decreasing linearly<br>up to max. 50% rel. humidity |  |
| IP 20   |  |

| wave  |  |
|---|--|
| 2 –50 rpm   |  |
| digital   |  |
| 5/10°   |  |
| timer or continuous   |  |
| yes   |  |
| 115W  |  |
| 16kg  |  |
| 426×435×208mm   |  |
| 390×340 mm  |  |
| non-skid rubber mat   |  |
| 10 kg   |  |
| self-resetting  |  |
| 5–31 °C at 80% rel. humidity,<br>32–40 °C decreasing linearly<br>up to max. 50% rel. humidity |  |
| IP 20   |  |

| Promax 1020   | Promax 2020   |  |
|---|---|--|
| reciprocating   | reciprocating   |  |
| 30–250 rpm  | 20–400 rpm  |  |
| digital   | digital   |  |
| 32 mm   | 20 mm   |  |
| timer or continuous   | timer or continuous   |  |
| yes   | yes   |  |
| 50W   | 115W  |  |
| 8 kg  | 16 kg   |  |
| 320×375×125mm   | 426×435×135mm   |  |
| 290×258mm   | 390×340 mm  |  |
| non-skid rubber mat   | non-skid rubber mat   |  |
| 5 kg  | 10 kg   |  |
| self-resetting  | self-resetting  |  |
| 5–31 °C at 80% rel. humidity,<br>32–40 °C decreasing linearly<br>up to max. 50% rel. humidity | 5–31 °C at 80% rel. hum<br>32–40 °C decreasing line<br>up to max. 50% rel. humi |  |
| IP 40   | IP 20   |  |
|   |   |  |

| Reax 2  | Reax 20/4   | Reax 20/8   | Reax 20/12  |
|---|---|---|---|
| overhead  | overhead  | overhead  | overhead  |
| 20–100 rpm  | 1–16 rpm*   | 1–16 rpm*   | 1–16 rpm*   |
| analog  | electronic control  | electronic control  | electronic control  |
| _   | -   | -   | -   |
| _   | _   | -   | _   |
| _   | _   | -   |   |
| 27 W  | 280 W   | 280 W   | 280 W   |
| 5.2 kg  | 23 kg   | 28 kg   |   |
| 510×180×235mm   | 490×520×465 mm  | 770×520×465 mm  | 1050×520×465 mm   |
| _   | _   | _   | _   |
| universal adapter   | -   | -   | -   |
| lkg   |   | -   | _   |
| self-resetting  | self-resetting  | -   | -   |
| 5–31°C at 80% rel. humidity,<br>32–40°C decreasing linearly<br>up to max. 50% rel. humidity | 5–31°C at 80% rel. humidity,<br>32–40°C decreasing linearly<br>up to max. 50% rel. humidity | 5–31 °C at 80% rel. humidity,<br>32–40 °C decreasing linearly<br>up to max. 50% rel. humidity | 5–31 °C at 80 % rel. humidity,<br>32–40 °C decreasing linearly<br>up to max. 50 % rel. humidity |
| IP 21   | IP 21   | IP 21   | IP 21   |

Standard supply voltage: 230 V. Other supply voltages upon request.

DIN EN 60529

w/d/h

w/d

| dity, |  |  |
|-------|--|--|

nearly nidity