

TROUBLESHOOTING

Work on electric, electronic and cryogenic components is limited to qualified personnel.

Master switch on shaker / mixer won't light

1. Check power cord
2. Check circuit breakers

Item won't shake (master switch lighted)

1. Timer run-down
2. Thermal motor circuit breaker triggered by motor overload
Remedy:
Wait about 20 minutes, decrease load applied on shaker plate.
3. Mechanical parts broken (humming motor noise) or electronic failure (no motor noise).

SPECIFICATIONS

All shakers

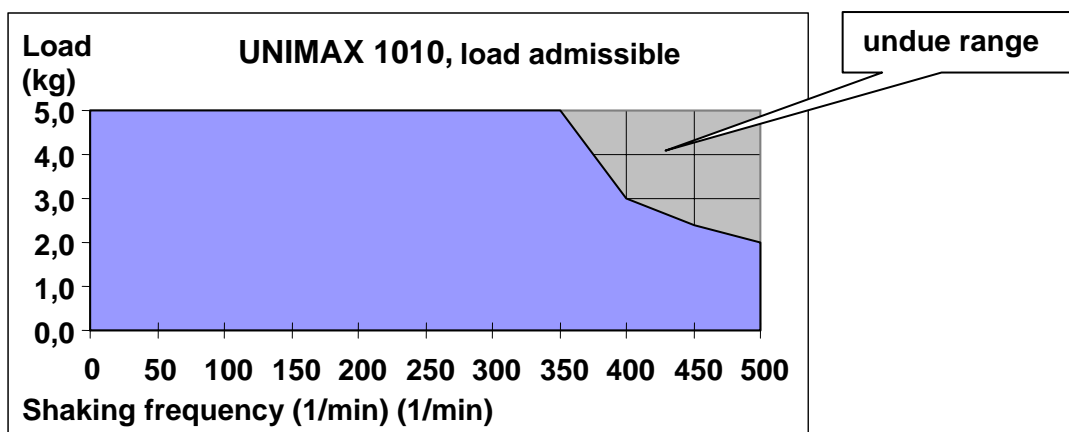
space required	320 mm x 375 mm
shaker plate	258 mm x 290 mm features anti-skid, detachable rubber plate with flanged edges
weight of item	approx. 8 kg
ambient temperature	0°C to 50°C at 80% rel. humidity approved for installation in gassing and conditioning cabinets (make reference to temperature limits)
power dissipation	UNIMAX 1010 / PROMAX 1020 = 30 W DUOMAX 1030 / POLYMAX 1040 = 25 W
voltage / frequency	230/240 V, 50/60Hz; 115V 50/60Hz optional
protective class	IP 40
drive motor	condenser motor, electr. control, overheat protection

UNIMAX 1010

shaking frequency	30 - 500 1/min
total stroke / orbit	10 mm
motion type	rotating
load-bearing capacity	static: 5 kg; less at high shaking frequencies
timer	digital 0 – 999 min / continuous
digital display	shaking frequency / timer



- When running at high shaking frequency, refer to graph for decrease in load bearing capacity of shaker plate

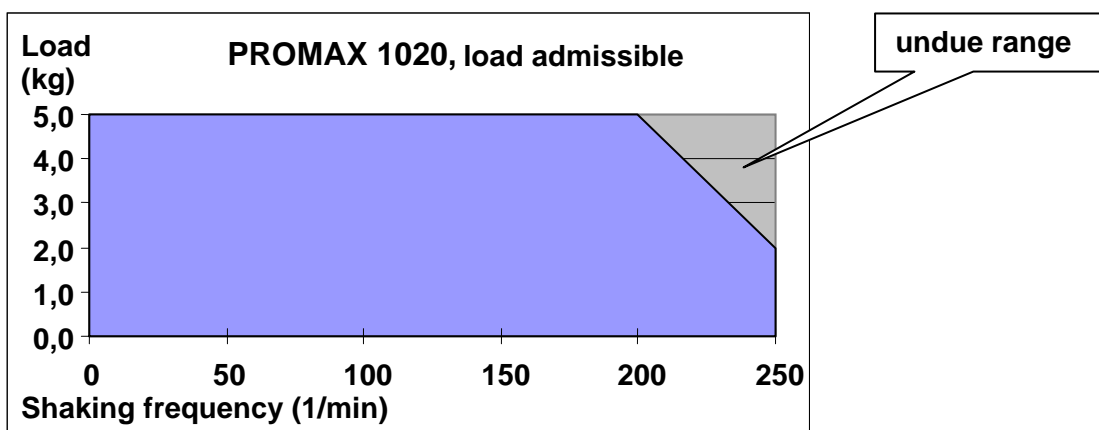


PROMAX 1020

shaker frequency	30 – 250 1/min
total stroke / orbit	32 mm
Bewegungsart	reciprocal
load-bearing capacity	static: 5 kg; less at high shaking frequencies
timer	digital 0 – 999 min / continuous
digital display	shaking frequency / timer



- When running at high shaking frequency, refer to graph for decrease in load bearing capacity of shaker plate



DUOMAX 1030

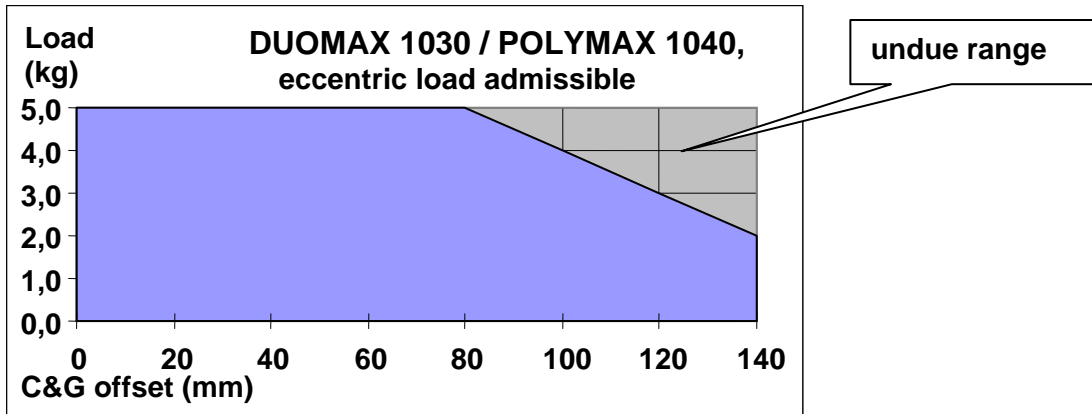
shaker frequency	2 – 50 1/min (fig. 14)
angle	5° / 10 °
motion type	rocking
load-bearing capacity	static: 5 kg, limitations for off-center load
timer	timer 0 – 120 min / continuous

POLYMAX 1040

shaker frequency	2 – 50 1/min (fig. 14)
total stroke / orbit	5° / 10 °
motion type	tumbling
load-bearing capacity	static: 5 kg; static: 5 kg, limitations for off-center load
timer	timer 0 – 120 min / continuous



- When running with off-center loads, refer to limitation of load illustrated in the diagram below.



WARRANTY, LIABILITY & COPYRIGHT

Warranty

Heidolph Instruments warrants that the present product shall be free from defects in material (except wear parts) and workmanship for 3 years from the date shipped off the manufacturer's warehouse.

Damage in transit is excluded from this warranty.

To file for such warranty service, contact Heidolph Instruments (phone ++49-9122-9920-68) or your local Heidolph Instruments Dealer. If defects in material or workmanship are found, your item will be repaired or replaced at no charge.

Misuse, abuse, neglect or improper installation are not covered by this warranty.

Alterations to the present warranty need Heidolph Instruments' consent in writing.

Exclusion Clause

Heidolph Instruments cannot be held liable for damage from improper use or misuse. Remedy for consequential damage is excluded.

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