



Remote Controlled Shaker for Microtiter Plates

VARIOMAG TELESHAKE

Shaken - not stirred

The VARIOMAG drive concept, approved in the whole world for many years now, has been also adapted to the new ultra-flat shaker for microtiter plates.

- Space saving dimensions as it is only slightly larger than one microtiter plate
- Flat design (< 25 mm), can be integrated in robot stations without problems
- Self-positioning central zero position of the shaker plate after turning off: the time-consuming electrical tracking is not necessary, therefore ensuring a maximum of operating security also in the unmonitored continuous operation.



- Power input is less than 1 watt: no objectionable inherent heating, no heating of the MTP's - ideal for operation in incubators and laminar flow systems
- Wear-free inductive drive concept: since 20 years world-wide used and tried VARIOMAG technology
- Construction suitable for disinfecting on request
- Adjustment of unit to individual requirements as well as OEM-construction on request

- Powerful shaking movements from 100 to 2000 rpm, adjustable amplitude from 1 to 3 mm, therefore ideal for 96 and 384 MTP's
- Automatic start-up results in a low start without spilling of samples
- Smallest moved masses do not cause much transference of vibrations onto the respective standing and assembly areas
- Shaker can be remote controlled via control unit and software - ideal for controlling by robots and PC
- The rolling direction and the kind of vibration used (either circular or back and forth movements) can be switched rapidly via software; additionally, intervals can be set
- Up to 14 units can be controlled directly and singularly with only one RS 232 interface

Vorteile

- + Ultra-flat
- + Space saving
- + Self-centring
- + Suitable for robots

When developing the Shaker, the requirements of the automation industry were uppermost in our mind next to a high functionality as well as wear-free and reliable operation.

Suitable for microtiter plates size 96 and 384

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Direct controlled Shaker for Microtiter Plates

VARIOMAG MONOSHAKE

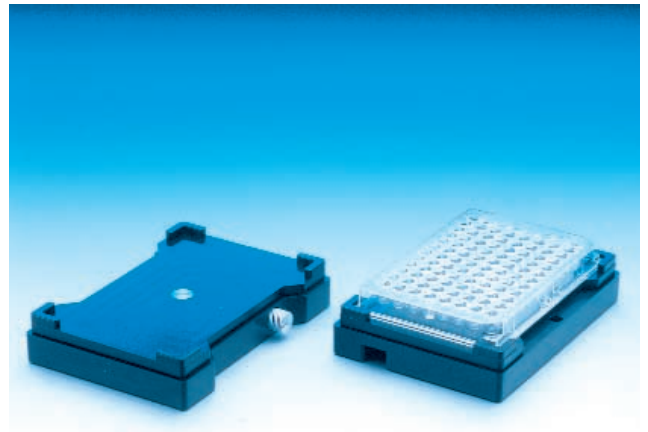
Shaken - not stirred

VARIOMAG MONOSHAKE was developed for shaking tasks directly on the laboratory bench.

MONOSHAKE has the identical advantages of the TELESHAKE, the operation is just singularly fitted for the requirements of the daily work directly on the laboratory bench.

- Directly serviceable shaker for microtiter plates: speed is adjusted directly at the unit via a turning button
- Shaker is turned on and off via speed adjust button
- Powerful circular movements from 100 to 2000 rpm

Further facilities and functions, with the exception of the interface function, are identical with TELESHAKE, so that it is only partly suitable for robots.



H+P Labortechnik GmbH

- + A „Plus“ in quality
- + A „Plus“ in innovation
- + A „Plus“ in service

**SHAKEN -
NOT STIRRED**



Technical specifications

Type	TELESHAKE	MONOSHAKE
Number of microtiter plats	1	1
Drive power (W)	< 3	< 1 / 3
Speed (rpm)	100 - 2.000	100 - 2.000
Amplitude (mm)	3	3
Dimensions W x D x H (mm)	142 x 100 x 23	
Weight (Drive) (kg)	1,1	0,8
Construction	remote controlled	direct controlled
Housing material	Aluminium / Messing (schwarz vernickelt)	
Protection acc. to DIN 40050	IP 20	
Environment		
Ambient temperature (°C)	-10 up to +56 at 100 % humidity	
Power supply unit / Control unit		
Includes	Control unit	Power supply unit
Operating voltage (VDC)	12	7,5 - 12
Mains voltage/frequency (VAC)	115 or 230 / 50 - 60 Hz	
Order No.:	51410	51110