

Thermo Variomag Teleshake



Manufacturer: Thermo Electron Corporation
 Model Number: Thermo-Electron-Variomag-Teleshake
 Web Address: www.thermo.com

Thermo Scientific VARIOMAG® Teleshake offers a wear-free magnetic shaking system with powerful shaking movements from 100 rpm up to 2,000 rpm, with an amplitude of 2 mm. An automatic start-up enables a slow start without spilling of samples. Ideally suited for 96 and 384 microtiter plates. Up to 14 units can be controlled individually with only one RS 232 interface.

Shaker: Commands

▶ **GetDeviceStatus(device)** - Get the device status. Bit description: 0 - device in acceleration/retardation phase; 1 - drive is on; 2 - error has occurred; 3 - potentiometer is off; 4 - debug mode is on; 5 - device address has been set; 6 - transmitted program values are saved in EEPROM

device	Integer	Specifies the device index. Range of values: 1 to 14.
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▶ **GetDeviceError(device)** - Get the last device error.

device	Integer	Specifies the device index. Range of values: 1 to 14.
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▶ **StartDevice(device)** - Start the defined sequences for the specified device.

device	Integer	Specifies the device index. Range of values: 1 to 14.
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▶ **SetCycleTime(device, time)** - Set the cycle time of the device.

device	Integer	Specifies the device index. Range of values: 1 to 14.
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time	Integer	Specifies the cycle time in μ s. The cycle time corresponds to one revolution or one shaking movement. Range of values: 30000 to 600000.
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▶ **SetSequence(device, sequenceNumber, sequence)** - Set the sequence.

device	Integer	Specifies the device index. Range of values: 1 to 14.
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sequenceNumber	Integer	Specifies the sequence number. Range of values: 1 to 2.
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sequence	Integer	Specifies the sequence. 0 - n,w,s,e; 1 - n,e,s,w; 2 - n,s; 3 - e,w; 4 - nw/se; 5 - ne/sw Range of values: 0 to 5.
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▶ **SetRevolutions(device, sequenceNumber, revolutions)** - Set the number of revolutions to run a sequence.

device	Integer	Specifies the device index. Range of values: 1 to 14.
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sequenceNumber	Integer	Specifies the sequence number. Range of values: 1 to 2.
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revolutions	Integer	Specifies the number of revolutions.
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▶ **SetTotalRevolutions(device, revolutions)** - Set the total number of revolutions for the defined device sequences.

device	Integer	Specifies the device index. Range of values: 1 to 14.
revolutions	Integer	Specifies the total number of revolutions.

Shaker: Errors

 **ShakerError(alarmMessage)** - Error occurred during command execution.

alarmMessage	String	Error message for the instrument
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