

Techelan TEOS250



Manufacturer: TechElan LLC.
Model Number: TEOS250
Web Address: www.techelan.com

The TEOS 200 series are RS232 interfaced remote controllable shakers (mixers) capable of both manual and/or remote control. The small footprint of these units enables simple integration with many automated platforms. Mounting of the unit can be customized to match integration specifications. The variable amplitude and speed TEOS orbital shakers/mixers are based on a novel design principle (US Patent 5,988,869). A plate holding platform floating on air bearings and air driven high speed turbines with calibrated eccentric weights combine to provide unique capabilities in vortex generation, repeatable "Zero X-Y" return position and high general reliability. The latter is essential for robotic interface and integration with other automated platforms.

Plate Shaker: Commands

- ▶ **Run()** - Start the shaking mechanism.
- ▶ **Stop()** - Stop the shaking mechanism.
- ▶ **AirCushion(enabled)** - Enables or disables the air cushion for the microplate platform which flies on air bearings to allow the high speed of shaking.

enabled	Boolean	Enables or disables the air cushion.
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- ▶ **Hold(holding)** - Holds or releases the microplate vacuum suction which holds the microplate in place.

holding	Boolean	Holds or releases the microplate vacuum suction.
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- ▶ **ModeHigh()** - Set the regular mode of shaking.
- ▶ **ModeTurbo()** - Set the accelerated mode of shaking.
- ▶ **KeepSpeed()** - Keep the constant speed of the shaking mechanism.
- ▶ **SpeedUp()** - Increase the speed of the shaking mechanism.
- ▶ **SlowDown()** - Decrease the speed of the shaking mechanism.
- ▶ **SetSpeed(speed)** - Set the speed for the shaking mechanism.

speed	Integer	Specifies the speed of shaking. Range of values: 1 to 9 .
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Plate Shaker: Errors

 **Fault(description)** - Fatal or non-fatal error has occurred.

description	String	Description of the error.
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