

**QuadMag Genie®** is supplied with a non-skid pad for placing under the container to be stirred. This pad is useful for stabilizing the container but may not be necessary for certain applications.

- CAUTION!** If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- CAUTION!** Do not subject the QuadMag Genie to excessive shock. Dropping the unit, or otherwise subjecting it to unnecessary shock (ie: using excessive force to place vessels on the unit) may crack the case and lead to unsafe conditions.
- CAUTION!** Unplug from power before cleaning. Do not immerse.
- CAUTION!** Do not position the equipment so that it is difficult to disconnect the power cord.
- CAUTION!** Do not use QuadMag Genie in hazardous atmospheres or with hazardous materials.
- CAUTION!** Do not use QuadMag Genie in applications such as mixing of flammable materials or where the transfer of mechanical energy to glass apparatus could lead to breakage.

#### Care and Handling

The QuadMag Genie should be given the care normally required for any electrical appliance. Unplug unit and wipe housing with damp cloth and detergent. Blot any spills immediately.

#### Specifications

The **QuadMag Genie** Magnetic Stirrer is classified as "Installation Category 2"  
Environmental: 0°C – 38°C (32°F-100°F), 95% Humidity max.

SI-5236	120V	60HZ	0.65A
SI-5246	230V	50HZ	0.50A
SI-5256	230V	50HZ	0.50A
SI-5266	230V	50HZ	0.50A
SI-5276	230V	50HZ	0.50A
SI-5296	230V	50HZ	0.50A
SI-5286	100V	50/60HZ	1.0 A



Weight: 3.0 Kg (6.6 lbs.)

Dimensions (DxWxH): 310x305x130mm (12.5x12.0x5.1in)

# QuadMag Genie®

## Four-Position Magnetic Stirrer Operating Instructions

Models SI-5236 through SI-5296



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The **QuadMag Genie®** is a powerful four-position magnetic stirrer that provides vigorous stirring for up to 4 vessels simultaneously.

The **QuadMag Genie** is designed to safely and reliably mix liquid volumes up to 2 liters for each position, using powerful inert PTFE magnetic stirring bars (maximum stir bar length is 2"). The rugged housing is made with an engineering grade ABS/Polycarbonate thermoplastic resin. Timing belt driven pulleys rotate powerful rare earth magnets that stay coupled with the stirring bars even under the most demanding stirring conditions. Stirring speeds are infinitely variable from 250-1300 RPM (10 RPM increments) to facilitate gentle stirring up to full vortex mixing. The stirrer has an opto-electronic software driven "ramp to speed" feature that ensures maximum coupling between drive magnet and stir bar. The enclosure is air cooled to prevent heat transfer to mixing media and is spill resistant to channel fluids away from internal components. Large LED's display speed and time (0-99 min) or continuous.



### OPERATING INSTRUCTIONS

We recommend you retain the original packaging for 90 days in case you need to return the product for any reason to your distributor or Scientific Industries.

1.0 - Plug the line cord into a properly grounded electrical outlet. (**120 VAC for the SI-5236 model; 230/240 VAC for the SI-5246 through SI-5276, SI-5296 models; 100 VAC for the SI-5286 model**). Illuminated numbers in the **TIME** and **SPEED** windows indicate that the unit is ON and ready for use.

2.0 - The **QuadMag Genie** has the following modes of operation:

#### 2.1 – "TIMED" Operation

Allows for unattended operation that is timed from 1 to 99 minutes.

Press the **UP/DOWN** arrow buttons beneath the **TIME** window to set the desired stirring time. Press the **UP/DOWN** arrows beneath the **SPEED** window to set the desired stirring speed. Press the **START/STOP** button to begin the stirring action. The stirrer will ramp up to the desired speed and run until the set time has elapsed. To stop the cycle before the set time has elapsed, press the **START/STOP** button. To initiate a new timed cycle, press the **START/STOP** button again.

#### 2.2 – "CONTINUOUS" Operation

Allows for continuous unattended operation.

Press the **UP/DOWN** arrow buttons beneath the **TIME** window and set stirring time to "0". Upon releasing the button, the display will have two dash marks (--), indicating that **no time limit** is set. Press the **UP/DOWN** arrows beneath the **SPEED** window to set the desired stirring speed. Press the **START/STOP** button to begin the stirring action. The stirrer will ramp up to the desired speed and run continuously. To stop the cycle, press the **START/STOP** button. To initiate a new continuous cycle, press the **START/STOP** button again.

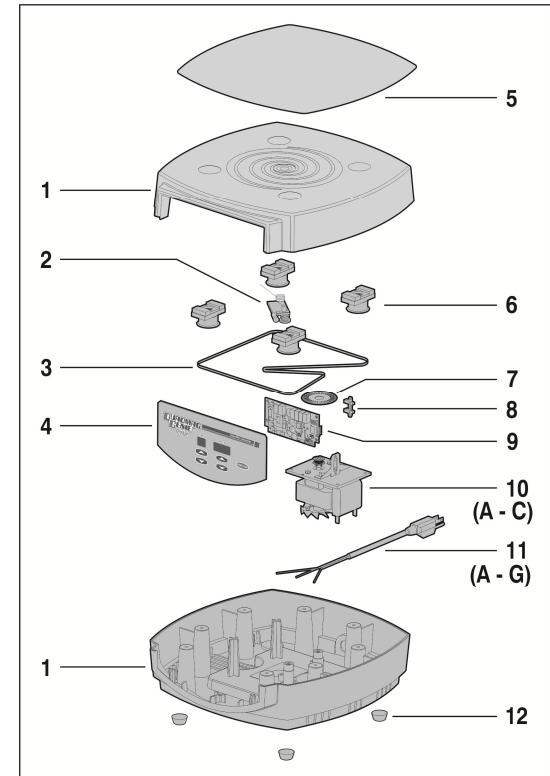
### 2.3 - "SLEEP" Mode

The stirrer will automatically go into a "SLEEP" mode if the mixer is plugged in but not used for 10 minutes. The **TIME** and **SPEED** illuminated displays will go blank. Press the **START/STOP** button to "WAKE UP" the mixer.

*Note: The speed control can be adjusted up or down during the mixing cycle, however, the TIME can only be adjusted before the cycle begins.*

### PARTS ASSEMBLY LIST

To order parts for the **QuadMag Genie** - Contact your local distributor or visit [www.scientificindustries.com](http://www.scientificindustries.com). Please specify Part No., quantity and electric voltage.



No	Part No.	Description	No	Part No.	Description
1	PP-2236-400	Housing, Top & Bottom Cover	11A	318-0510-02	
2	0K-4236-904	Kit, Belt Tensioner	11B	0K-0246-901	
3	HWP0060	Belt	11C	0K-0256-901	
4	0K-5236-900	Kit, Name Plate Assy, Digital	11D	0K-0266-901	
5	0M-2236-207	Mat	11E	0K-0276-901	
6	0K-4236-901	Kit, Magnet Assembly	11F	0K-0286-901	
7	0K-2236-902	Optical Disc Assembly	11G	ECP0021	
8	EC-A236-525	Optical Sensor	12	HWP0004	Feet
9	EB-5236-500	Digital Timer Board			
10A	0K-3236-903	Motor 120V Assembly			
10B	0K-3246-903	Motor 230V Assembly			
10C	0K-3286-903	Motor 100V Assembly			