



2018 BROCHURE

 **major
science**

Thermostirrer





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Major Science thermostirrer series are equipped with built-in stirrers on the bottom of each well combined with excellent temperature control. Pre-configured long-durability motor for chemical compound synthesis, combinatorial chemistry, sample concentration, denaturation, derivatization, enzyme analysis and process optimization.

Thermostirrer

TS-8W



- Microprocessor control with digital performance
- Brushless motor for individual well agitation
- Outstanding temp. control performance up to 200°C
- Well-insulation around casework
- Over temp. protection
- LCD screen & timer (standalone model only)



Cooling System Connection Port



TS-8W



| Cat. No. | TS-8W-110 | TS-8W-220 | CM-M0512-001 |
|---------------------------|---|-----------------------|---|
| Controller | Digital microprocessor controller | | |
| Display | 2.6" LCD monochrome display | | N/A |
| Motor | Brushless motor | | |
| Number of position | 8 wells (2x4) with individual magnetic stirrer ** | | 6 wells with individual magnetic stirrer ** |
| Well diameter | Ø29.5mm, 62mm depth ** | | Ø23mm, 44mm depth ** |
| Stirring speed | 500 - 3500rpm | | 500 - 2500 rpm |
| Temperature control range | 5°C above ambient to 200°C | | |
| Temperature increment | ± 0.1°C | | |
| Temperature uniformity | ± 0.7°C @ 150°C | | N/A * |
| Temperature accuracy | ± 0.2°C @ 150°C | | ± 0.5°C @ 120°C |
| Temperature calibration | Yes | | |
| Operating temperature | Ambient to 40°C | | |
| Timer | 99 (hr): 59 (min) / Continuous | | |
| Block material | PTFE coating with individual magnetic | | Anodic treatment without PTFE coating ** |
| Data logging | RS 232 (Max. 2.5meter long) | | |
| Safety | Insulated wells around casework | | |
| | Leakage proof for heating chamber | | |
| | Over temperature protection | | |
| Rated voltage | 110V~; 50/60Hz, 6.3A | 220V~; 50/60Hz, 3.15A | 110V~; 50/60Hz, 6.3A 220V~; 50/60Hz, 3.15A |
| Dimension (mm)(WxLxH) | 230x300x160 | | 132.5x299.5x158.9 |
| Weight | Approx. 8.5kg | | Approx. 5kg |
| Power | 600W | | |
| Vessel diameter | Max. 28.5mm ** | | Max. 22mm ** |
| Communication port | RS-232 | | Modbus RTU by RS-232 |

* Temperature uniformity would be dependent on the integration to your automation system.

** Customized Specification.

Remote Thermostirrer Module

CM-M0512-001



CM-M0512-001



* Customization upon request



*All technical specifications are subject to change without notice.

*Please visit our website at www.majorsci.com for more product selection and detailed information.

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