



## *Innovators in Microwave Technology*

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Thank you for choosing a CEM precision instrument.

This document should aid you in preparing your laboratory for quick installation and long-term use of your new SAM-255 Microwave Solids and Moisture System.

### **Pre-Installation Site Requirements for SAM-255**

In preparation for the installation of your SAM-255 system please follow these guidelines.



- The SAM-255 should be placed on a rugged workbench capable of supporting 45 kg (100 lbs). It's exterior dimensions are 47 cm (18.5 in) wide, 66 cm (26 in) deep and 50 cm (20 in) high and can be accommodated in a space that is 83 cm (33 in) wide, 80 cm (32 in) deep with a vertical clearance of 53 cm (21 in).
- Provide the SAM-255 with a dedicated, single phase, grounded 108-132 VAC, 20 A 60 Hz. The outlet should be located no more 1.5 m (5 ft) from the area provided for the SAM-255. Best results are obtained when the SAM-255 is operated on a stabilized, AC power supply providing a voltage that varies less than 10% of the specified level.
- Provide an exhaust outlet no more than 5 meters (16 ft) away and no more than 2.5 meters (8 ft) above the SAM-255. This may be a fume hood or other area that is exterior of the laboratory.

**Caution – The SAM-255 should not be placed in a fume hood.**

- The temperature of the room must be between 5°C and 40°C (41°F and 104°F). Ideally the temperature should not vary more than 5°C in a day (10° F).

### **Additional Support**

If you have additional questions for our staff please do not hesitate to contact us at 800-726-3331 or 704-821-7015.