Mesa Labs 1480
ProSpore Incubator

Quick Start Guide

Installation

The incubator is designed for continuous operation and does not have a power switch. The incubator will power on when it is plugged into a power source.

1. Remove the incubator from its packaging.
2. Unpack the power supply. The power supply includes four interchangeable blades (plugs). Select the appropriate blades for your region and attach the blades to the power supply.
3. Plug the power supply into a power source.
4. Insert the small connector from the power supply into the matching receptacle in the back of the incubator.
5. The incubator will automatically power on and perform a self-test. Upon completion, the installed firmware revision will be displayed on the LED screen for two seconds.
6. The incubator will begin its warm-up phase. During this time the configured temperature set point will fade in and out on the LED screen.
7. The incubator is ready to use when the configured set point is no longer fading in and out, and the LED screen displays the current operating temperature of the incubator.

Note: it may take approximately 30 minutes for the incubator to warm up to operating temperature.

Temperature Selection

The incubator can be configured to operate at 37°C for biological indicators containing *Bacillus atrophaeus*, or 57°C or 60°C for biological indicators containing *Geobacillus stearothermophilus* however **the 1480 is designed to only be used with the ProSpore Ampoule 4ml product at 57°C.** The incubator is initially configured to operate at 57°C. If the temperature configuration is accidentally switched from its initial setting, these instructions detail how to return the incubator to the proper incubation temperature.

1. With the incubator powered on, simultaneously press and hold the two small buttons on the rear of the incubator for ~2 seconds until the currently selected temperature set point blinks on the LED screen.
2. Release the buttons, then press either button repeatedly to toggle between the available temperature set points (37°C, 57°C, or 60°C).
3. When the desired temperature set point is blinking on the LED screen, press and hold both buttons for ~2 seconds.
4. The configured set point will fade in and out on the LED screen until the incubator has reached temperature, upon which the actual temperature of the incubator will be displayed.

Download the complete 1480 Operation Manual at: www.mesalabs.com

79-05096 Rev C

Safety

⚠️ Handle with caution. The surface of the incubator may become hot to the touch.

Use Only as Directed

- Indoor use only.
- Operate at ambient temperature from 10°C to 35°C.
- Maximum relative humidity 80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 35°C.
- Main power supply voltage fluctuations not to exceed ±10% of the nominal voltage.
- Installation class II service.
- Pollution-Degree 2 environments.
- Altitude less than 2000m.

Specifications

Electrical Ratings (for use with certified class 2 power supply)	Volts	12VDC
	Watts	18.0
	Amps	1500 mA
Operating Range	Temperature	37°C / 57°C / 60°C
Environmental Conditions	Ambient Temperature	10°C - 35°C
	Relative Humidity	20% - 80% Non-condensing
Conformance	*CSA/C/US, CE, RoHS, FCC Part 15 Class A, ICES-003Class A*	

Mesa Laboratories, Inc.
12100 West 6th Ave.
Lakewood, CO 80228
(303) 987-8000