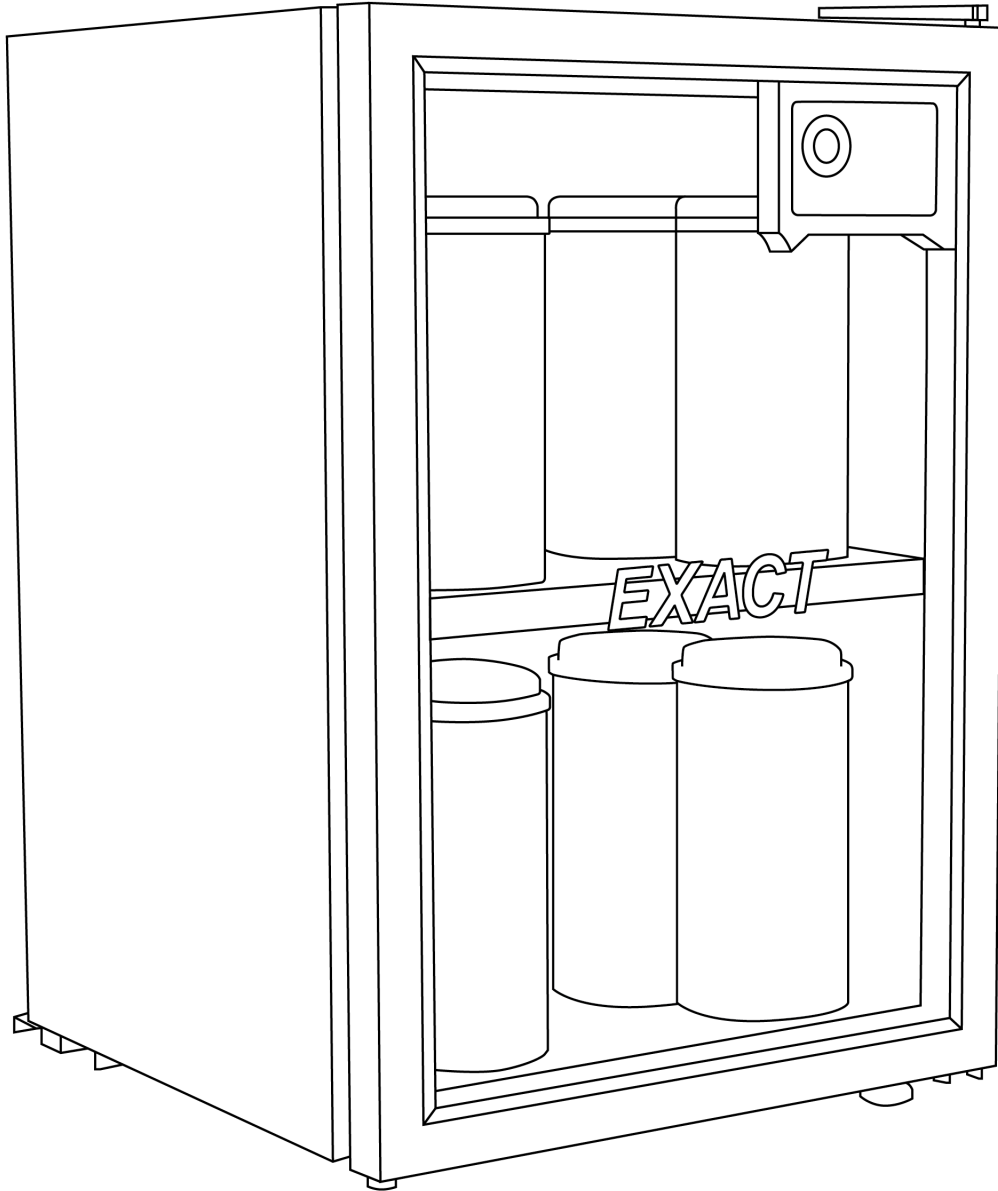


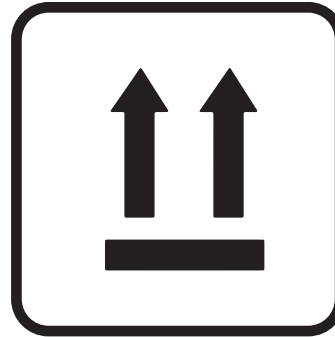
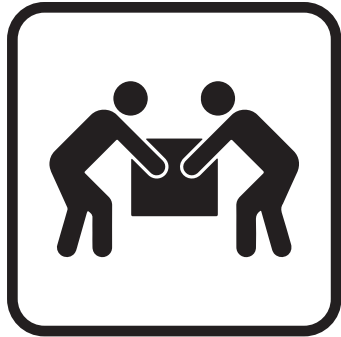
User Manual

EXACT MATCH 2



EXACT

WARNINGS



Team lift, weight over 50lbs.

Keep upright at all times.

Do not handle it using the door.

Do not handle it by the control box.



DANGER

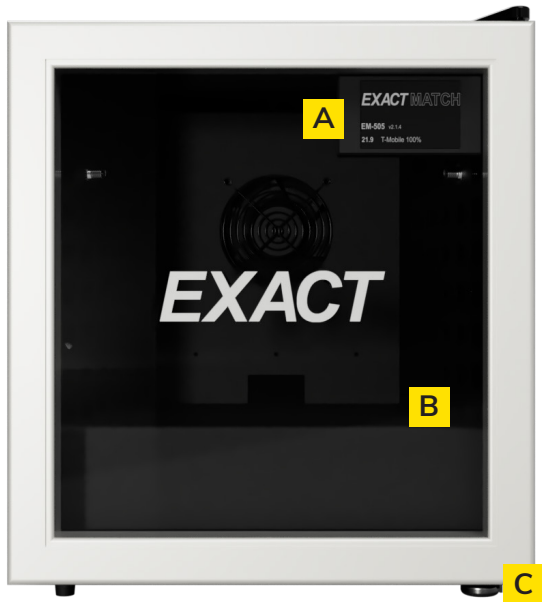
Risk of fire or explosion. Flammable refrigerant used.

No user serviceable parts inside.

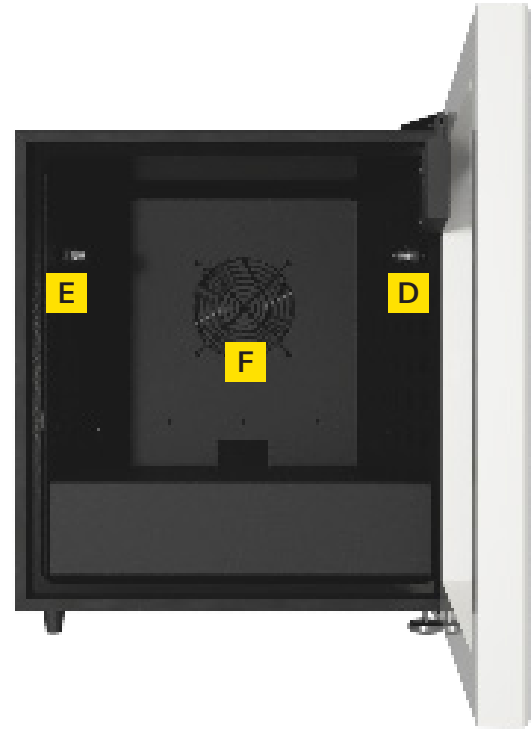
Do not puncture tubing.

Dispose of in accordance with federal or local regulations.

Front view with door closed



Front view with door open



A **LCD:** Displays element information, current temperature, maturity and status information.

Chamber: The temperature controlled chamber can hold four 4"x8" cylinder molds or two 6"x12" cylinder molds with the shelf removed.

B **Shelf:** The removable shelf should be installed when curing 4"x8" cylinders but must be removed to cure 6"x12" cylinders. Remove by lifting up to disengage the hook at the back and then pull out.

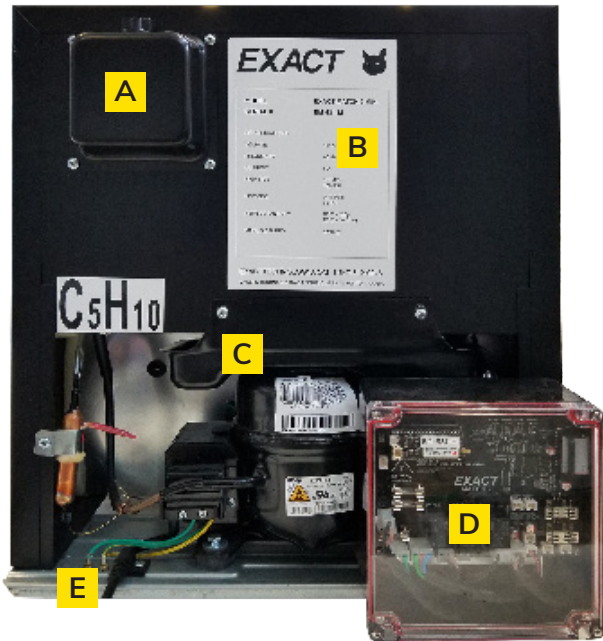
C **Adjustable foot**

D **C1 Input**

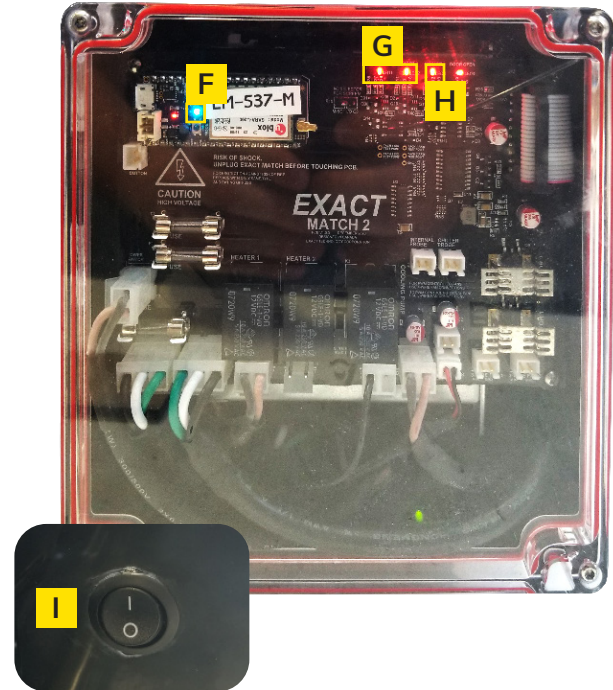
E **C2 Input:** Connect an EXACT temperature probe to either input to read concrete temperatures inside cylinder moulds. EM2 and EM2 mini models will prioritize matching cylinder probe temperatures to set temperature when available.

F **Intake Fan:** The intake fan circulates air through the chamber and temperature sensors and controls.

Rear view

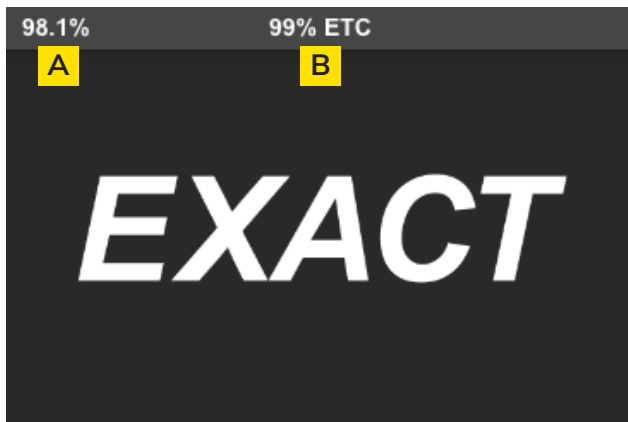


Control Box (Rear view)



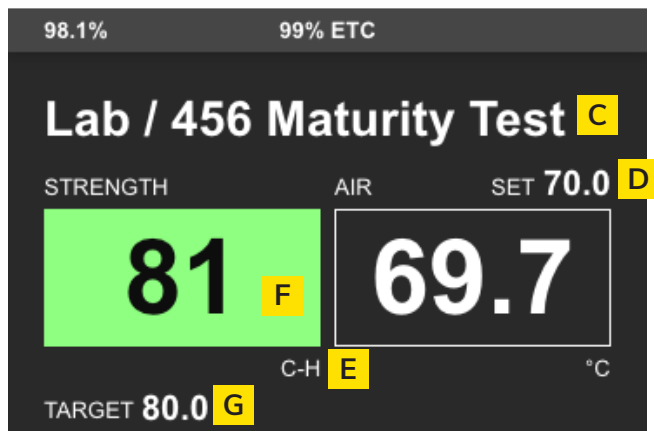
- A Reserve thermostat:** Adjustment knob is disabled and has no functionality whatsoever on EM2, EM2 Mini models. Temperature is controlled exclusively by the element the EM is running.
- B Label:** Contains important information about the EM such as serial number and specifications.
- C Drip Tray:** Collects condensation from inside the EM and evaporates it with heat from the compressor. Allow the drip tray to evaporate all water before moving or lifting EM.
- D Control Box:** Contains the electronics that control the EM.
- E Power cord:** Power input for the EM. Connect to 120V AC power.
- F Modem Status LED:** Displays status of the EM's wireless functions. See "Modem Status LED meanings".
- G Heating LEDs:** Displays the status of the EM heating system. Green when heating, red when off.
- H Cooling LED:** Displays the status of the EM cooling system. Green when cooling, red when off.
- I Power Switch:** Turns the EM on and off.

LCD Standby Screen



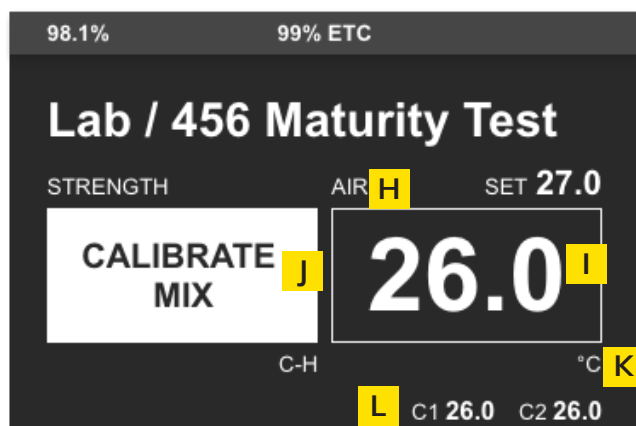
- A** WiFi signal strength / WiFi SSID
- B** Cellular signal strength

LCD Element With Strength Equation



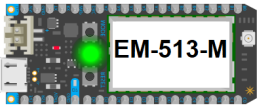
- C** Location / element name: Displays fields entered when element is created.
- D** Set temperature: Displays the set temperature the EM is matching to. This value comes from a match probe assigned to the element, a fixed value, or a value manually entered.
- E** Equation unit
- F** Equation result
- G** Equation target

LCD Element With Concrete Mix



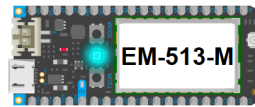
- H** Air / Cool / Heat
- I** Air temperature: Displays the air temperature inside the EM chamber.
- J** Concrete mix
- K** Unit (° C/° F)
- L** Cylinder probe temperatures

Modem Status LED: Normal Conditions



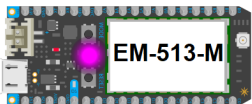
Blinking green

Searching for a cellular connection.



Breathing cyan

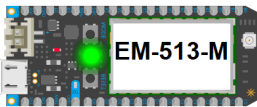
Connected and operating normally.



Blinking magenta

Receiving an OTA software update.

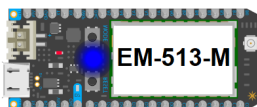
Modem Status LED: Error Conditions



Blinking green (persistent)

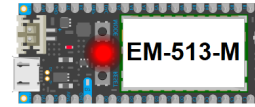
If after 3-5 minutes from power on the EM will still not connect, try restarting the EM by switching the power switch off, waiting 10 seconds, then turning it back on. Wait an additional 3-5 minutes.

If you have already tried restarting once, or if the EM is frequently reverting from a breathing cyan state to a blinking green state, there may be a signal quality or interference issue. Reach out to your EXACT contact to receive technical support.



Blinking blue

Blinking blue indicates a SIM or cellular issue. Reach out to your EXACT contact to receive technical support.

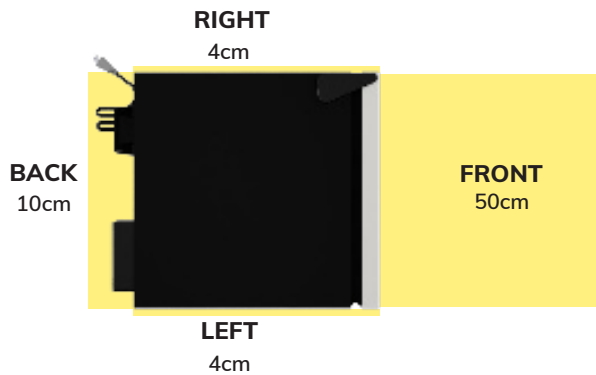


Blinking red (SOS)

Make sure you are not looking at the secondary red LED to the left of the status LED, this secondary red LED may blink or remain on during normal operation.

If you are able to see the Status LED clearly, please count the number of red blinks between each “SOS” pattern and reach out to your EXACT contact to receive technical support.

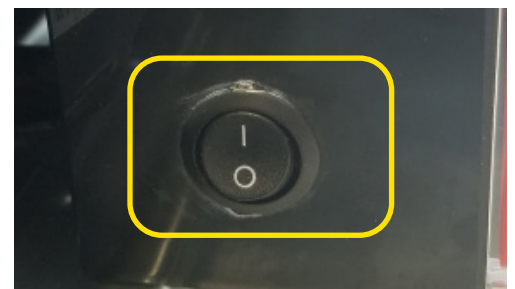
Setup Requirements



- At least 10cm clearance from the back of body to provide room for control box and cables.
- At least 4cm clearance on each side for heat dissipation.
- At least 50cm clearance from front for door to open.
- Rotate the adjustable foot on the right side to level the EM.
- EM Mini's can be stacked up to 3 high with the stacking frame attachment. Bottom EM must be leveled properly to ensure stability. Do not stack without support.

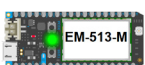
Setting up

- 1 Plug power cord into wall outlet.
- 2 Flip switch on located on the side of control box.

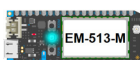


Bootup sequence

- 1 The EM2 must establish a cellular connection before any functionality becomes available. The modem LED will blink green while it establishes a cellular connection.



- 2 Once the EM2 is connected to a cell tower, the modem status LED will “breathe cyan”.



Placement

- Ideal placement of the device for wireless communication is at least 1m / 3ft off the ground.
 - Placement near metallic or large obstructions may negatively affect transmission distance.
 - Leave at least 30cm distance between the unit and surrounding walls to allow for venting.
-

Handling

- Do not fill the EM1 with water or use it in wet environments.
 - Avoid dropping the EM1 to avoid damage to the internal components.
-

Technical Specifications

EXACT MATCH 2

Environmental Operating Range	5°C to 35°C (40°F to 95°F)
Capacity	10 of 4 x 8" cylinders (10.1 x 20.3 cm)
Curing Temperature	5°C to 70°C (40°F to 158°F)
Sensing Accuracy	±0.2°C (±0.4°F)
Average Matching Accuracy	±2°C (±4°F) typical
External Dimensions	21.2" long x 17.9" wide x 26.3" high (53.5 x 45.5 x 66.8 cm)
Internal Dimensions	9" long x 13" wide x 22" high (23 x 33 x 55.9 cm)
Weight	64 lbs (29.0 kg)

EXACT MATCH 2 Mini

Environmental Operating Range	5°C to 35°C (40°F to 95°F)
Capacity	4 of 4 x 8" cylinders (10.1 x 20.3 cm)
Curing Temperature	2°C to 70°C (35.6 °F to 158°F)
Sensing Accuracy	±0.2°C (±0.4°F)
Average Matching Accuracy	±2°C (±4°F) typical
External Dimensions	21.2" long x 17.5" wide x 19.3" high (53.5 x 44.5 x 49.0 cm)
Internal Dimensions	9" long x 12.5" wide x 16" high (23 x 31.8 x 40.6 cm)
Weight	52 lbs (23.5 kg)

Contact **EXACT**
for support

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USA: +1-302-485-0810

exacttechnology.com