



**motionlabs.com | Load Sensing | 2-Ton / 5-Ton Load\*Cell System | Cell\*Mate Display**

The **Cell\*Mate** Digital Display module allow users the ability to monitor up to eight channels of **Load\*Cell** data simultaneously from a remote location.

Working together with our universal **Load\*Cell** and **Cell\*Mate Hub**, the display module gives users a wide variety of options for viewing load data.

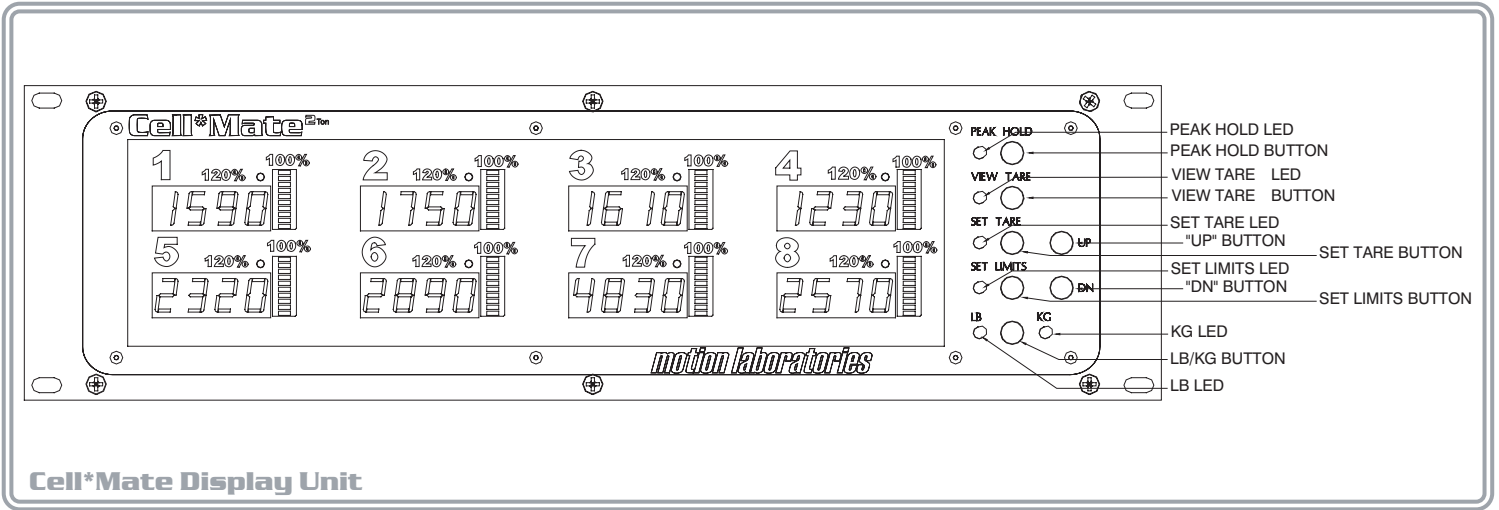
Each channel provides real time weight measurement displayed in pounds or kilograms. Additionally, each channel has a ten-segment multicolor bar graph representing a percentage of load based on a user-selectable weight limit.

There is a 120% overload watchdog function that will trigger both an LED indicator and a normally open set of contacts. These contacts can be used for a buzzer, siren, light etc to warn the user of an overload situation.

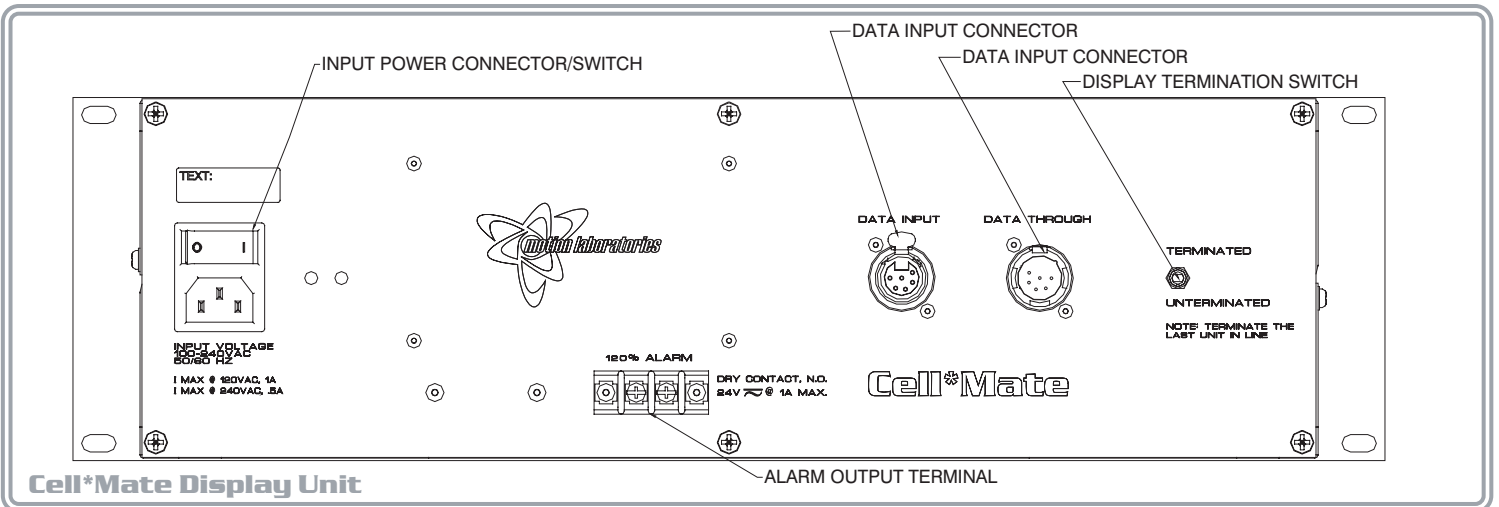
The **Cell\*Mate** Digital Display module receives digitized load data from the **Cell\*Mate Hub** via a single 6 Pin XLR cable. Multiple display units can be used in series for additional monitoring locations. The Peak Hold function allows the user to view peak weight statistics for each **Load\*Cell**. A user-adjustable tare function allows the user to view a secondary weight measurement, i.e. the load minus the weight of the hoist. All products in the **Cell\*Mate** family, **The Warden**, **The Cell\*Mate** Digital Display module and the **Cell\*Mate Hub**, are designed with auto switching 100/240VAC 50/60 Hz power supplies allowing for versatility in the field.

The **Cell\*Mate** Digital Display module also works with **The Warden**, a new addition to the **Cell\*Mate** family. See Cut Sheet for further details.

**FRONT**



**REAR**



## **Cell\*Mate | features & functions**

**4 Digit Numeric Display:** High visibility .56 inch numeric LED display indicates measured inline force in pounds or kilograms for each channel (user selectable.)

**4 Level Display Brightness:** Display brightness level is stored in non-volatile memory, so **Cell\*Mate** Digital Display returns to former brightness level on power up.

**10-Segment Multicolor Bar Graph Display:** A separate bar graph display indicates total load percentage. Scaling is individually adjustable for each channel in 10 unit increments (lb or kg) and is stored in non-volatile memory, which is not susceptible to power loss.

**Overload LED Indication:** At 120% of user-adjustable load setting, a red LED indicator will alert the operator to an overload. An overload indication on any channel will activate a relay with user-assignable normally open contacts.

**User Adjustable Tare Setting:** Individual tare values for each channel are stored in non-volatile memory. The tare value will be subtracted from the true weight value and displayed for 10 seconds when the view tare button is pressed. While in the view tare mode, the percent load limits are still based on the true weight and will indicate accordingly.

**Line Fault Indicator:** Any **Load\*Cell** channel disconnected or inactive due to a wire fault is indicated by a single dash (-) on the **Cell\*Mate** Digital Display module for that channel.

**Long Cable Runs:** Any 6 Pin XLR cable may be run up to 1000 feet from **Load\*Cell** to **Cell\*Mate Hub**. 6 Pin XLR cables may be run 4000 feet from **Cell\*Mate Hub** to the **Cell\*Mate** Digital Display module.

**Peak Hold Function:** Allows user to view peak weight measurements for all channels.

## **2-Ton / 5-Ton Cell\*Mate | specifications**

**Part Number:** A-17-001-0001 / A-17-001-0002

**Cell\*Mate Display Module:** 19.0"W x 5.25"H x 5.5"D

**Weight:** 8.3 lbs.

**Front / Rear Panel Materials:** Aluminum  
(Blue Anodize or PowderCoat)

**Enclosure Materials:** 18ga. Steel, Yellow Zinc Plated

**Communication Protocols:** RS485 Full Duplex 9600 Baud 8N1

**Cable Protocol:** 22AWG 3 Tw Pair Shielded M/F 6 Pin XLR

**Power Requirements:**

**Cell\*Mate Display Module:** 100-240 VAC 50/60 Hz

## **Cell\*Mate | more information**

For more information on this or any other products please contact our sales department via phone, fax, or e-mail. Our qualified sales representatives are determined to help you succeed.

Be sure to visit our website [[www.motionlabs.com](http://www.motionlabs.com)] for more information about Motion Laboratories and our products & services. Thank you for making Motion Laboratories your premier source for all of your power distribution and motor control solutions.