

BHM Digital Indicator User's Manual



Load Cell Central follows a policy of continuous improvement and reserves the right to change specifications without notice. © 2015

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Quick Start

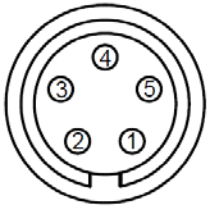
Power

The battery compartment is located at the lower rear of the unit as pictured. Two AA batteries are used to power the device. Batteries of the same charge, type, and brand should be used. The Power Key is the left-most key below the display.

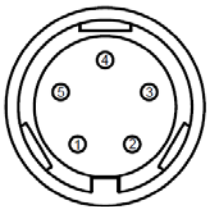


Load Cell Connection

The load cell connector is located at the top of the unit.

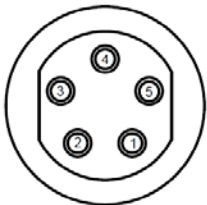


Integral Connector



Mating Connector

Part Number: Binder 720-99-9113-02-05



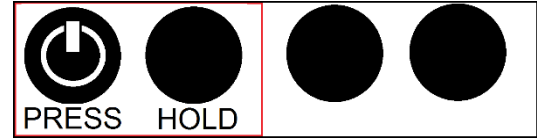
Mating Connector (Solder Cup Side)

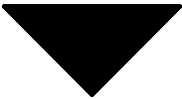




If purchased with a load cell, this connector will have been installed. When used with an existing load cell, this connector will be included and must be soldered.

- 1 + Excitation
- 2 + Signal
- 3 - Signal
- 4 - Excitation
- 5 N/A

Menu Navigation

The menu can be accessed by powering the unit while holding the second key. The following keys will be shown throughout the menu.



	This key can be used to navigate a list or decrement a value.
	This key can be used to navigate a list or increment a value.
	This key is used to move to the next digit when changing numerical values.
	This key is used to skip the current screen or exit the menu.
	This key is used to select a value or menu parameter.

The menu consists of the following options:

- Calibrate - This allows you to perform a live calibration.
- Zero Cal. - This allows you to perform a zero calibration.
- Spec. Cal - This allows you to set a table calibration.
- Precision - This provides count-by and display division settings.
- Filter - This provides an adjustable filter.
- Rate - This changes the update rate of the indicator.
- Timeouts - This allows you to change timeout settings.

Calibration

Live Calibration (in LBS) - Calibrate

1. Empty Scale – Ensure that your scale or load cell is unloaded, wait a *minimum of 10 seconds* and press Enter.
2. Enter Testweight (lbs) – Enter the weight of the test weight you will be using for your live calibration and press Enter.
3. Add Load – Add the test weight to your scale (Minimum 10% of capacity), wait a *minimum of 10 seconds* and press Enter.
4. Calibration Complete – Once the calibration is finished you can check the on- screen display for accuracy, and press Enter to return to the menu.

Zero Calibration (Deadweight Calibration or Permanent Zero Adjustment)

1. Empty Scale – Ensure that your scale or load cell is unloaded, wait a *minimum of 10 seconds* and press Enter.

Specification Calibration (mV/V Calibration)

1. Enter mV/V Fullscale – Enter the full scale mV/V value associated with your load cell and press Enter. This is usually specified on your load cell or the load cell certificate.
2. Enter Fullscale lbs – Enter the full scale LB value associated with your load cell and press Enter.
3. Enter mV/V Empty – Enter the Zero Balance value for your load cell. If you are unsure of this value, it can be left at 0, and followed by a Zero Calibration.

Parameters

Precision

1. Select one of the LB increments (X, 1, 2, 5, 10, 20, 50, or 100). To use decimal points, the X should be selected. In this mode, a 1 is used as the Display Division.
2. *(If X was selected)* Digits to Right – Select the number of decimal places to the right you would like to use. (0-6)

Filter

1. Filter Setting – Choose the filter setting that results in the quickest readings that remain accurate. (1-16)

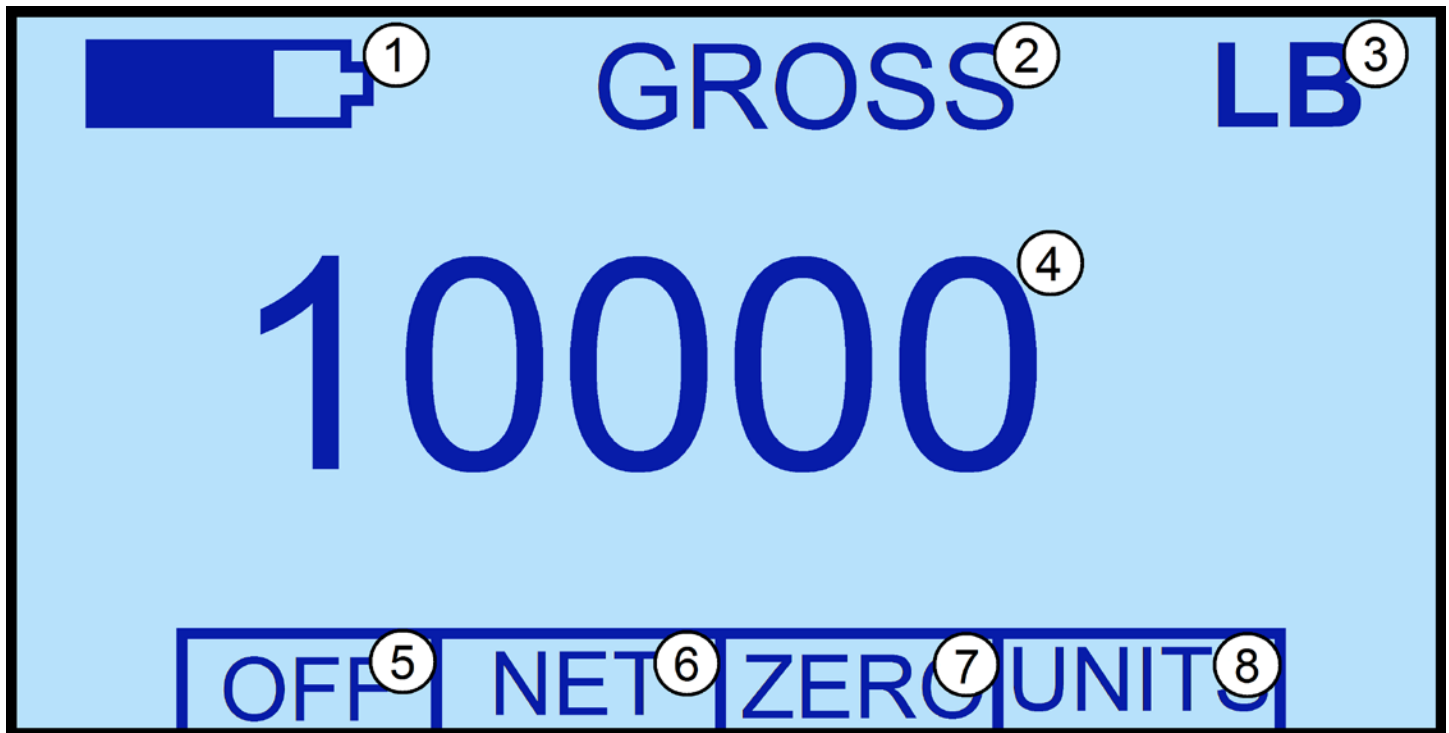
Rate

1. Update Rate – Select how fast you would like the reading to update. (Fastest 1-9 Slowest)

Timeouts

1. Backlight Timeout – Select the backlight timeout in minutes. (1-99)
2. Power Off – Select the Auto-Off timer in 10 minute increments. (1-99)

Weighing Mode



1	Battery Indicator	Indicates Battery Life
2	Gross/Net Indicator	Shows Current Weighing Mode
3	Units Indicator	Shows Current Units (LB/KG)
4	Load Cell Display	Indicates Current Load
5	OFF Key	Powers Down the Indicator
6	Gross/Net Key	Switches Between Weighing Modes
7	Zero/Tare Key	Zeroes or Tares the Unit Depending on Current Weighing Mode
8	Units Key	Switches Between Units (LB/KG)

Specifications

Display Type	LCD w/Backlight 128x64p
Input Range	+/- 30mV
Excitation Voltage	3VDC
Battery	2 – AA
Battery Life	Up To 100 Hours w/ 350 Ohm Bridge
Non-Linearity	<0.01% FS
Display Update Rate	Up to 10hz
Display Resolution	1 Part in 400,000 @ Filter 6

Please contact us with any questions!

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