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FLOOR SCALE

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MODEL: HERCULES

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**OWNER'S MANUAL**



**CAS (USA) Corporation**  
**99 Murray Hill Parkway**  
**East Rutherford, NJ 07073**

**VER 2.0**

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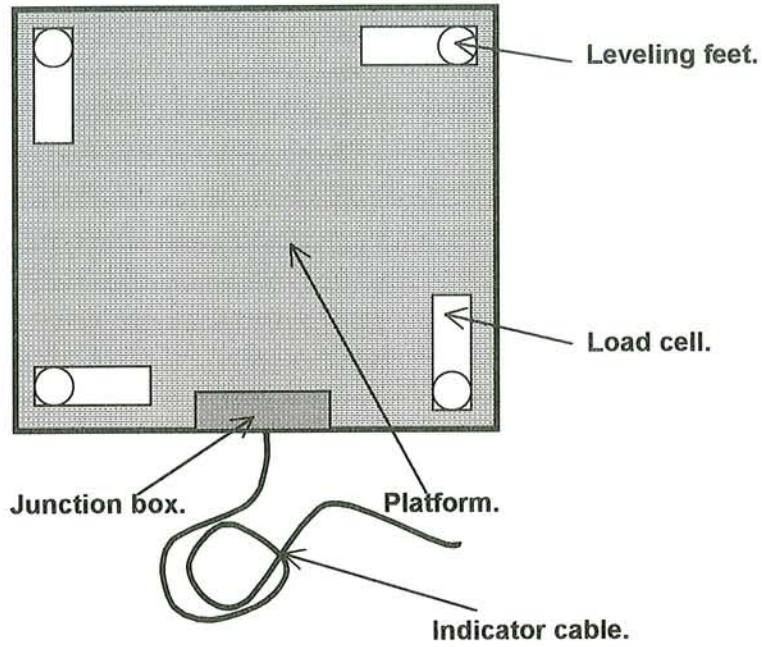
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## PREFACE

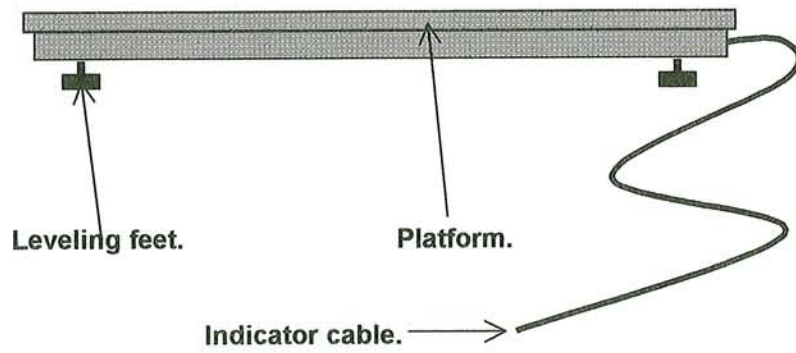
Thank you for purchasing our CAS model HERCULES floor scale. This scale was designed for light and heavy industrial applications. This manual contains information on the proper assembly and use of the scale.

NOMENCLATURE

Platform Underside



Platform side view



## UNPACKING & ASSEMBLING

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- Remove the plastic shipping bands and edge protectors.
- Insert two ½-13 1" (four ½-13 1" for higher capacity scales) eye hooks into holes in the scale deck. *(Eye hooks are not included.)*
- Attach chains or cable to eye bolts to lift and remove the platform from pallet making sure that chain or cable have enough lifting capacity.
- Lift scale no more than 1 foot off the floor and remove the pallet.
- Move the scale to the installation site.
- Adjust the leveling feet so that the overall height of the platform will be a minimum of 3 ¼" or 4 ¼" on platforms with a capacity of 10,000 lb or greater.
- Look underneath the platform near the junction board cover plate to locate the indicator cable.
- Lower the platform to the floor area in the location where it will be used making sure that the indicator cable is clear from the leveling feet.
- Check each of the four corners making sure that they make solid contact with the floor and adjust leveling feet as required.
- Remove all eyebolts from platform.

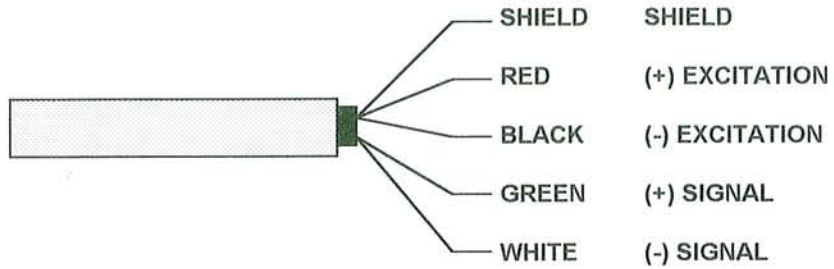
## OPTIONS: (Ramp Installation)

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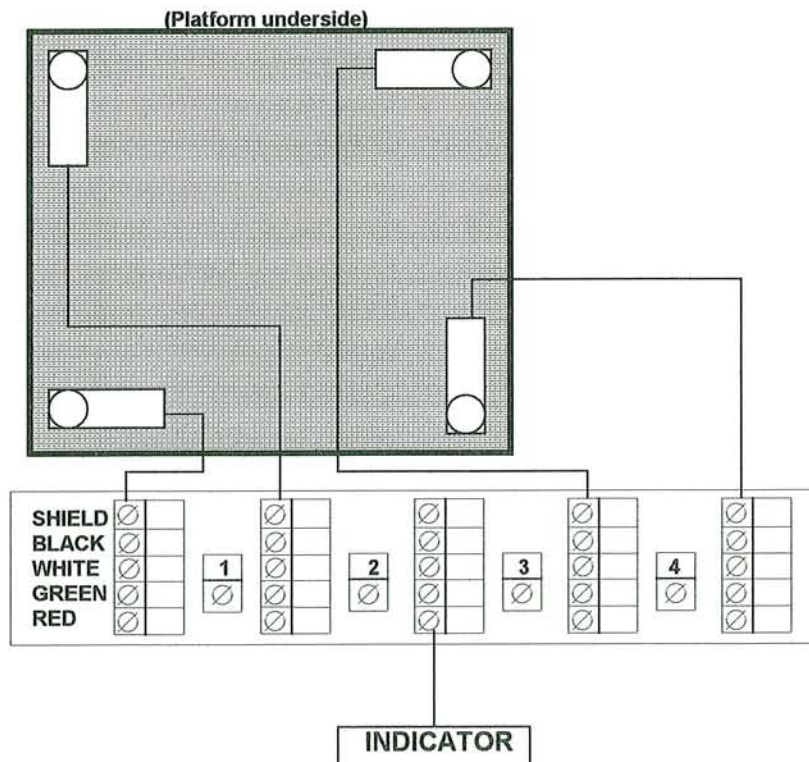
- Set the height of the platform by adjusting the level feet 3 ¼" (adjust to 4 ¼" for platforms with capacity over 10,000 lb.)
- Insert two ½"-13 eye bolts into the holes in the ramp deck Hook chain or cable to eye bolt to lift and position the ramp.
- Position the ramp along side the platform with, offset approximately 6" to 8".
- Slide the ramp towards the platform until the skid plates are approximately ¼" to ½".
- Slide the ramp to the left until the horse shoes hook around the leveling feet and the skid plates align.
- Although the platform cannot move away from the ramp, it is still strongly recommended that the ramp be lag bolted to the floor. Two ½" lag down holes are provided, one on each side of the ramp.

## LOAD CELLS & JUNCTION BOX

- Connect the platform to the indicator by following the indicator's Manual.
- Use the following diagram :



- For indicators that require load cell sensitivity to be set by switches or in the calibration sequence, use 2 mV/V.
- For corner offset adjustments follow the diagram below:



## LOAD CELLS & JUNCTION BOX

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- Access the junction board by removing the two screws securing the junction box board cover to the side of the platform.
- Gently pull the panel away from the platform and lay it face down on the floor so that the board is facing you.
- Refer to the load cell wiring diagram on page 3 to locate the correct potentiometer to be adjusted.
- The potentiometers are numbered from 1 to 4.
  - Potentiometers 1 and 2 affect the load cells connected to the terminals to the left of the potentiometers.
  - Potentiometers 3 and 4 affect the load cells connected to the terminals to the right of the potentiometers.
- The center terminal is where the indicator cable is connected.
- After locating the correct potentiometer for the corresponding corner to be adjusted, turn the potentiometer screw clockwise to decrease the corner's reading or counter-clockwise to increase the corner's reading.
- Adjusting one corner may affect the other corners so recheck all of the corners whenever you make a corner adjustment.
- Once all corners are within acceptable tolerances, replace the junction box board cover.

## TROUBLESHOOTING

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- Look for a crimped or damaged load cell or indicator cable.
- Look to see that the indicator cable is correctly wired to the indicator. Use the color codes and diagrams supplied in this manual and also the directions in the indicator's Manual.
- Check that the four leveling feet are snug to the floor and the platform is adjusted to the correct height.
- Check for any obstruction between the leveling feet and the load cells or between the load cells and the platform's frame work.
- Check for loose hardware on load cell mounts.
- Check for loose, damaged, or misconnected load cell cables. Make sure to check the full length of the cables from load cells to junction box.
- Call your CAS Authorized Dealer for assistance.

## SPECIFICATIONS

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**Capacities: 5000 lb, 10,000 lb.**

**Rated Excitation: 10VDC ~ 15VDC MAX.**

**Cable Length: 20 ft.**

**Shipping Weight: 240 lb. (48" X 48" Avg.)**

**Warranty: Three (3) year limited warranty.**

**Dimensions:**

| <b>Platform Sizes</b>     | <b>Capacity</b>     |
|---------------------------|---------------------|
| 48" x 48" (122mm x 122mm) | 5000 lb (2000 kg)   |
| 60" x 60" (152mm x 152mm) | 10,000 lb (5000 kg) |
| 48" x 48" (122mm x 122mm) | 5000 lb (2000 kg)   |
| 60" x 60" (152mm x 152mm) | 10,000 lb (5000 kg) |

**Other sizes available. Contact your Authorized CAS Dealer for details.**

**Specifications are subject to change without notice.**



**Part #: 9100-H00-0000**

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