

Scale Load Cell Ohm Readings

In order to help determine if there are any damaged load cells or cables in your scale use a multi meter and take ohm readings.

1. Starting with load cell number 1, disconnect the load cell wires from the summing card. Wires must be disconnected do not try to take ohm readings directly from the terminal block. Note or take a picture of the wire locations on the terminal block so that they can be reconnected properly.
2. Use a digital multi meter set to Ohms and test the following wire combinations and record the reading.

Load cell #1

| Color Combination | Expected Reading | Actual Reading |
|-------------------|--------------------|----------------|
| Green and White | 350 +-5 | |
| Black and Red | 380 +-20 | |
| Green and Black | These should match | |
| White and Red | | |

Load cell #2

| Color Combination | Expected Reading | Actual Reading |
|-------------------|--------------------|----------------|
| Green and White | 350 +-5 | |
| Black and Red | 380 +-20 | |
| Green and Black | These should match | |
| White and Red | | |

Load cell #3

| Color Combination | Expected Reading | Actual Reading |
|-------------------|--------------------|----------------|
| Green and White | 350 +-5 | |
| Black and Red | 380 +-20 | |
| Green and Black | These should match | |
| White and Red | | |

Load cell #4

| Color Combination | Expected Reading | Actual Reading |
|-------------------|--------------------|----------------|
| Green and White | 350 +-5 | |
| Black and Red | 380 +-20 | |
| Green and Black | These should match | |
| White and Red | | |