

Lebow Troubleshooting Guide

Slip-Ring Sensors

No output

Check to verify wiring.
Inspect cable for shorts and opens.
Verify the load being applied.
Check brushes on brush carrier.

Erratic or Non-repeating

Check Exc. DC Voltage for drift.
Check electrical connections for noise.
Verify load being applied.
Check couplings or fixtures.
Inspect cables for opens or shorts.
Check IR with megaohm meter.

High Zero Balance

Make sure there is no load being applied to the sensor.
Sensor possibly could have been overloaded or side loaded.
The Wheatstone bridge might have an open.
Inspect all electrical connections.

Improper Readings

Make sure zero and span is calibrated.
Check shunt cal readings per calibration data sheet.
Verify proper weight is being applied.
Inspect fixturing of sensor.

Rotary Transformer Sensors

No output

Check to verify wiring.
Inspect cable for shorts and opens.
Verify the load being applied.
Possible open rotor coil or stator (send to Lebow for evaluation)

Erratic or Non-repeating

Check Exc. AC voltage for drift.
Check electrical connections for noise.
Check for RF noise in the area of test.
Verify load being applied.
Check fixturing.

High Zero Balance

Make sure there is no load being applied to the sensor.
Sensor possibly could have been overloaded or side loaded.

Improper Readings

The Wheatstone bridge might have an open.
Inspect all electrical connections.

Make sure zero and span is calibrated.
Check shunt cal readings per calibration data sheet.
Verify proper weight is being applied.
Inspect fixturing of sensor.

Load Cells

No output

Check all wiring connections.
Verify load being applied.
Take continuity readings from Strain Gage Bridge.
Inspect cables for opens and shorts.

Erratic or Non-repeating

Check Exc. DC Voltage for drift.
Check electrical connections for noise.
Verify load being applied.
Check couplings or fixtures.
Inspect cables for opens or shorts.
Check Voltage output per data sheet.

High Zero Balance

Make sure there is no load being applied to the sensor.
Sensor possibly could have been overloaded or side loaded.
The Wheatstone bridge might have an open.
Inspect all electrical connections.

Improper Readings

Make sure zero and span is calibrated.
Check shunt cal readings per calibration data sheet.
Verify proper weight is being applied.
Inspect fixturing of sensor.

Instrument/ Strain Gage Conditioners

No display

Check electrical and power connections.
Check fuses.
Refer to manual.

Display

Blinking

Usually indicates an overload condition.
Possible open, check cables.