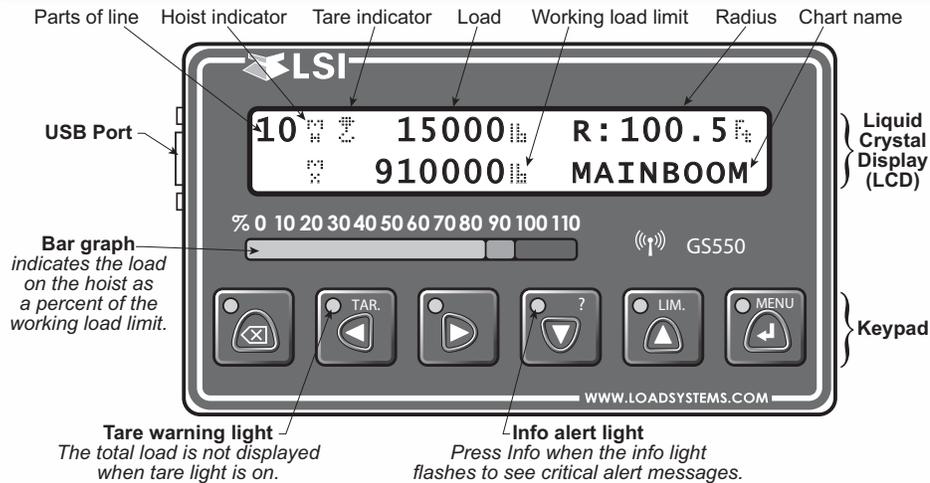


THE GS550 OPERATION DISPLAY



Buttons - Operation Functions



Bypass / Exit

Override lockout for emergency purposes*. The alarm will remain silent until the next alarm; lockout will re-engage as soon as the button is released. / Exit menu.

** This applies only if the GS550 has been correctly installed to control crane lockout function.*



Tare / Back

Zero the hook and rigging weight, zero rope payout. / Move to the previous page.



Hoist / Next

Change the operating display page. The exact order and content of operation display pages depends on system sensor and capacity chart configuration. Systems with more than one load sensor typically display main hoist load information on the first page and auxiliary hoist load information on the second page. / Move to next page.



Info / Down

When the orange Info light flashes, press Info to see critical system alert messages. / Modify numeric values and move down through a list of choices.



Limit / Up

Set hoist limits. / Modify numeric values and move up through a list of choices.



Menu / Enter

Access the system menus, refer to *System Menu* section. / Enter menu, confirm changes to system settings.

How to Adjust the Parts of Line

1. Press **Menu** to access menus.
2. Press **Enter** to enter the menu Parts of Line.
3. Use **Back** and **Next** to select the load sensor.
4. Adjust the parts of line with **Up** and **Down**.
5. Press **Exit** twice to return to the operation display.

Abbreviations

Angle	∠
Auxiliary hoist	∂
Length	L
Luffing angle	∠
Main hoist	∂

Maximum	∞
Maximum or minimum angle	∠
Communication not established	NoRx
Radius	R

Tare (net weight)	∂
Gross weight	∑
Wind speed	∩
Whip hoist	∩

Password difficulties? Consult your user manual or call LSI at (888) 819 4355.



WARNING! Carefully read and understand this manual and the *GS550 Installer and User's Manual* before proceeding.



IMPORTANT! Refer to the "*GS550 Display & GS Series Sensors - Installer and User's Manual*" for complete information about installation, operation, maintenance, certification and warranty.

Troubleshooting

Display Not On

1. Verify the connection between the yellow cable wires and the crane power supply
2. Verify the crane battery, the fuse and the accessory switch.
3. Carefully disconnect the yellow cable from the display unit and reconnect it.

Display In Alarm

1. Identify the sensor in alarm. Place the sensor in safe condition (press **Bypass** if necessary).
2. Verify that the limits, the parts of line and the tare are correctly adjusted.
3. Verify all sensor batteries: see *Battery Diagnostic* troubleshooting section.
4. Verify the red light on the sensor box flashes (release the wire rope of an anti-two-block, change the load on a load sensor, change the angle of an angle sensor, change the boom length of a length sensor).
5. Verify radio communication: see *Radio communication* troubleshooting section.

Sensor Malfunction

1. Verify the sensor batteries: see *Battery Diagnostic* troubleshooting section.
2. Verify the red light on the sensor box flashes (release the wire rope of an anti-two-block, change the load on a load sensor, change the angle of an angle sensor, change the boom length of a length sensor).
3. Verify radio communication: see *Radio communication* troubleshooting section.

Battery Diagnostic

Go to menu **5A) SYSTEM SENSORS DIAGNOSTIC** and press **Enter**. Select a sensor and press **Enter** to verify the sensor status. Press **Exit** and then **Next** to advance to the next sensor.

- **"B: 50%":** 50% of battery life remains (typically several months).
- **"IN TIMEOUT":** communication not yet established. Verify the radio ID corresponds to the installed sensor.
- Battery status is usually known within 2 minutes. When 10% or less battery life remains, for any sensor, a message will be generated (the Info alert light will flash). Follow the *battery diagnostic* procedure to identify the sensor. Batteries do not need to be replaced before the **LOW BATTERY** message is generated. Usually several days, or weeks, of operation remain from the moment the **LOW BATTERY** message comes. A new high quality alkaline or lithium 'D' cell battery may be used.

Radio communication

1. Verify that the antennas have a direct clear line of sight to each other.
 2. Verify that the antennas do not point directly towards, or directly away from, each other.
 3. Verify that the antennas are not in contact with metal other than the sensor itself.
 4. Verify the antenna for damage.
 5. Go to menu **5A) SYSTEM SENSORS DIAGNOSTIC** and press **Enter**. Select a sensor and press **Enter** to verify the sensor status. Press **Exit** and then **Next** to advance to the next sensor.
- **"R: 85%"** means radio reception is at 85%.

Lockout Malfunction

1. Verify the connections of the lockout wire(s) (white, green, orange, blue).
2. Verify lockout coil connections.
3. Verify correct relay installation for lockout systems drawing more than one ampere on the white wire.
4. Carefully disconnect the yellow cable from the display unit and reconnect it.

GS550 Menu Outline

