



**LOAD SENSING
DEVICE**
**SET-UP AND
MAINTENANCE
INFORMATION**



TRUSTED INNOVATION

WELCOME TO YOUR LOAD SENSING DEVICE ESSENTIAL USER GUIDE. THIS DOCUMENT HIGHLIGHTS THE BASIC FUNCTIONS OF THE DEVICE

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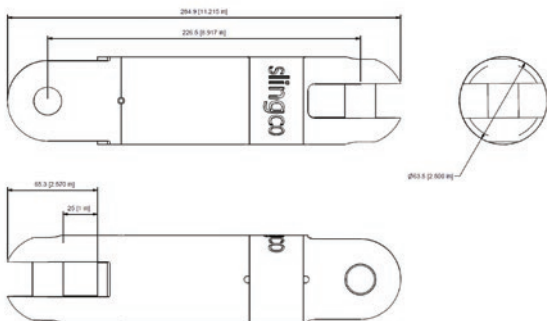
PARTS CHECKLIST

In your pack you should receive the following:

- Load Sensing Device (LSD)
- Antenna
- Antenna Receiver Unit
- Getac T800
- Getac T800 Charger
- Battery Charger
- Battery x1
- Spare Battery x1



TECHNICAL INFORMATION



WORKING LOAD LIMIT

20,000 lbf

BATTERY

Rechargeable Li-ion (3.7V)

WORKING TEMPERATURE

-15 to +80°C

BATTERY LIFE

8 hours max.

DATA TRANSMISSION

Wireless

RECEIVER STATION

Multi-line display (see p5).
Access to logs via USB port.

RANGE

3,000ft. (line of sight)

WORKING DURATION

140 hours of recording

SAFETY INFORMATION

LOAD SENSING DEVICE

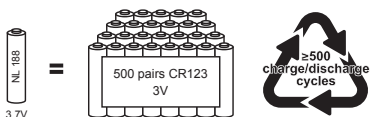
Please read the following information. Failure to do so may result in product failure or personal injury.



WARNING: Take caution when handling the load sensing device or package. Extra consideration should be given when working at height and/or near other personnel.

BATTERY

Li-ion rechargeable battery. 3100mAh 18650 3.7V 11.5Wh
Integrated battery overcharge/ discharge protection circuits



WARNING: battery may explode or catch fire if mistreated. Do not disassemble, heat above 212 °F (100 °C) or incinerate. Do not mix batteries or different types/brands. Keep away from children.



RECEIVER / ANTENNA

For your convenience the base of the antenna is magnetic. It is strongly recommended that during storage and use this is kept well away from electronic components.

The LSD uses a calibrated load cell and as such requires calibration/testing when returned.

If you have any concerns about the use of or condition of equipment upon set-up or information shown here please contact your supplier before use.

GENERAL MAINTENANCE

TAKING CARE OF THE LOAD SENSING DEVICE

For optimal performance adhere to the following where possible:

- Avoid continuous use in hostile environments such as, but not limited to, areas of high humidity, extreme temperatures or heavy dust.
- Care should be taken to avoid use of this product assembly in areas where metallic dust is present.
- This product contains small components such as socket cap head and set screws
- Avoid movement from extreme conditions to another. A temperature difference of more than 10°C (18°F) may result in condensation within the units potentially damaging to componentry.

ADDITIONAL GUIDELINES

When cleaning the LSD:

- Use a damp cloth to wipe down surfaces.
- Do not use detergent where alkaline is present.
- Do not leave water lying on the surfaces of the LSD.
- Ensure unit is dry before use in freezing environments (0°C / 32°F or below) as this may damage the unit.

OTHER CONSIDERATIONS

- The LSD unit may experience a shortened operation time when used in extreme temperature conditions for long periods of time. This is due to the chemical characteristics of the batteries used in the various components.
- Always ensure the batteries are fully charged before use.
- Do not leave components with batteries in storage in excess of six months.

COMPONENT INFORMATION



RECEIVER UNIT

This unit connects the antenna to the PC so you can view live data during application. For your convenience, set this unit up before the LSD/transmitting unit.



DOWNLOAD CABLE

To be used when pulling historical data from the LSD to review.

NOTE: The connector on this lead is handed, take extra care when connecting.

GETTING STARTED

SWITCHING ON

There is no physical 'On/Off' button on the device, it will automatically respond when power is received. The LSD will power down if no load has been detected in two hours.

ACTIVATING THE SOFTWARE FOR USE

The whole process of using your Load Sensing Device has been made as simple as possible. Simply open the desktop application and plug the receiver station into your device in order to begin reading live data.

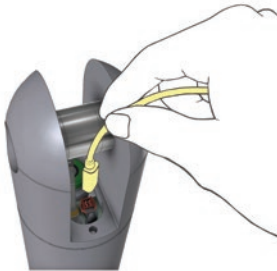


ACCESSING THE LSD HISTORICAL DATA LOG

Using the Download Cable, connect the laptop to the LSD as shown opposite (details on how to remove the cap are shown on page 8).

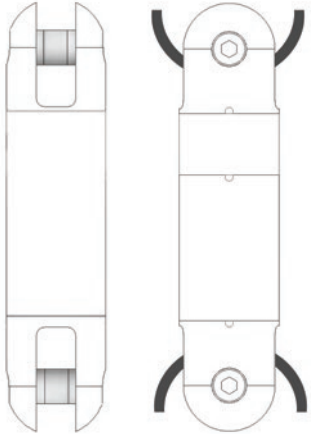
The battery must be removed when doing so.

Open User PC App from your PC.



SET-UP

Pulling implements should pass through the clevis pins (as shown, far right).



REMOVING CLEVIS PINS

You will need a 3/8 Allen key. Use this to remove the pins as shown below.

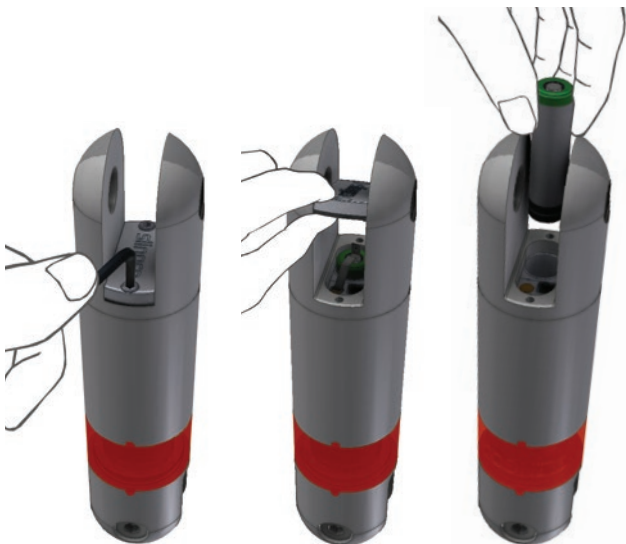


CHANGING THE BATTERY

Using a 9/64 Allen Key remove the two bolts securing the lid which should easily remove after doing so.

The battery is then easily accessible.

Simply reverse this procedure when replacing battery.



YOUR SOFTWARE



VIEW RECORDED LOGS

This allows you to open previously saved logs in order to review historical data.

EDIT SETTINGS

Edit local settings on your Load Sensing Device.

DOWNLOAD LOG

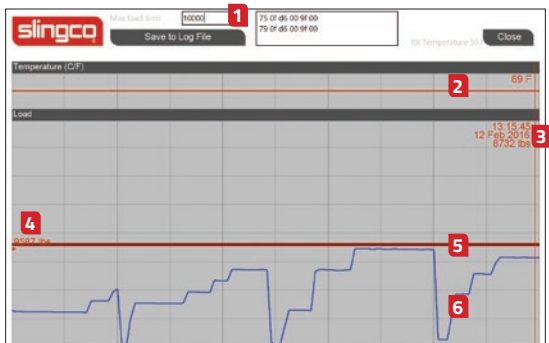
With your LSD plugged in to the PC clicking 'Download log' will set the LED on the LSD to solid green. The Software is now pulling data from the LSD to the computer.

LIVE VIEW

The live view displays live data when the receiver box is plugged in and the LSD is in an active pull.

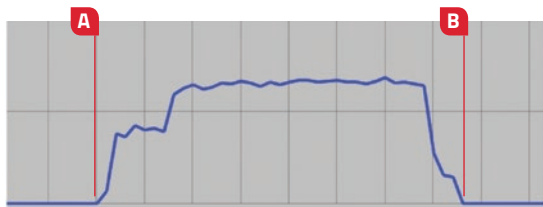
'LSD User interface' is the application which will display live readings from the wireless transmitting device. Select 'Live View' this will automatically search for a signal.

SOFTWARE - LIVE VIEW



1. User defined maximum load
2. Separate temperature display
3. Live display
4. User defined maximum load displayed in view
5. Visual of user defined maximum load
6. Live load display

The diagram below demonstrates the graph's behaviour when load is both applied (A) and released (B).



LED INFORMATION



FLASHING GREEN LIGHT

Unit is powered up



SOLID GREEN LIGHT

Unit is plugged into PC -
downloading data.



FLASHING RED LIGHT

Unit has detected load
above designated
threshold. Needs to be
returned for calibration.

FCC/IC REGULATIONS



FCC Compliance Statement

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

USA-Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no ensured specification that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

PROTECTIVE CASE

Your case is a maximum protection, customised unit exclusive to the LSD you have received. Rated at IP67 some of the specifications are listed below:

- Watertight seal on lid
- Automatic Pressure Release Valve
- Easy to open double throw latches
- Load tested soft grip handle
- Holes for double padlocking
- Thick body
- Extra fixing points
- Full length hinges
- Nylon pins, corrosion free



YOUR CASE



Protective Case	1
Load Sensing Device	2
Antenna	3
Getac Shoulder Strap & Getac T800 Charger	4
Download Cable & Antenna Lead	5
Battery Charger	6
Battery Charger Lead	7
x2 Batteries	8
Magnetic Base (Antenna)	9
Receiver station	10
Getac T800	11

SPARE PARTS LIST

Slingco Part No Item

BATTERY CAP COVER SET

SWI4326 Metal Cover

SWI4035 Rubber Gasket

FGK4687 Metal Cover Cap Heads

LSD

SWI2748 Clevis Pin

ZSW5630 Download Cable

ZSW5631 Receiver Box

ANTENNA

MIS4768 Antenna Assembly

POWER

MIS4689 Battery Charger & Cable

MIS4294 Batteries

TABLET

MIS4771 LSD Tough Tablet

MIS4770 Shoulder strap

- - - Charger

CASE

LSS4775 Custom Protective Case

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