

Monitor loads and line tension
from anywhere in the world

Telecom towers • Construction • Safety nets

Pair with any Crosby SP compatible product - all in stock

Crosby | **SP** **straightpoint**[®]
know the load



Crosby[®]

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LC
LoadConnect



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LoadConnect

Dashboard, overview of live base station and load cell data. Location, productivity and utilisation.



View live data, monitor the load cells tension from your PC and view live error reports from your phone, from anywhere in the world.



Utilisation, productivity, send reports on error stats, warnings, temperature, overload alarms and much more for later analysis to monitor efficiency and safety.



Improve safety and efficiency on your work sites



Connect worldwide

See live load data, load alerts, share reports, view productivity and utilisation from anywhere in the world via our cloud based solution.



Improve efficiency

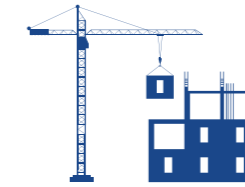
Reduce site visits, improve decision making for a faster reaction and collaboration. Safely monitor loads to protect assets.

Cloud based solution to monitor projects worldwide



Monitor line tension

LoadConnect software with BOLT is the perfect solution for measuring the cable tension on telecom towers without an engineer on site.



Monitor Loads

LoadConnect software with any SP Load Cell is ideal for large scale construction projects and many more applications.



Stay connected on any device with an internet connection

- ✓ Overview dashboard
- ✓ Loadcell live data
- ✓ Asset status
- ✓ Productivity & Utilisation
- ✓ View and send reports
- ✓ SMS activity and alerts
- ✓ One licence unlimited users



Base station LCBS-N or LCBS-W

Connects to up to 16 Crosby SP products simultaneously. Sends data via a network or wi-fi to cloud based LoadConnect software and SMS alerts to phone.

- IP67/NEMA6
- Range 500m/1640ft
- Backup battery life 16hrs
- Supported networks 4G/3G
- Required power supply - 9 to 28 V DC
- Radio frequency - 2.4 GHz (License Free)
- SMS Alert function - up to 3 predefined numbers (network version)

Compatible SP Loadcells

Connects to a combination of wireless loadcells with the option to connect one cabled product per base station. Compatible SP loadcells:

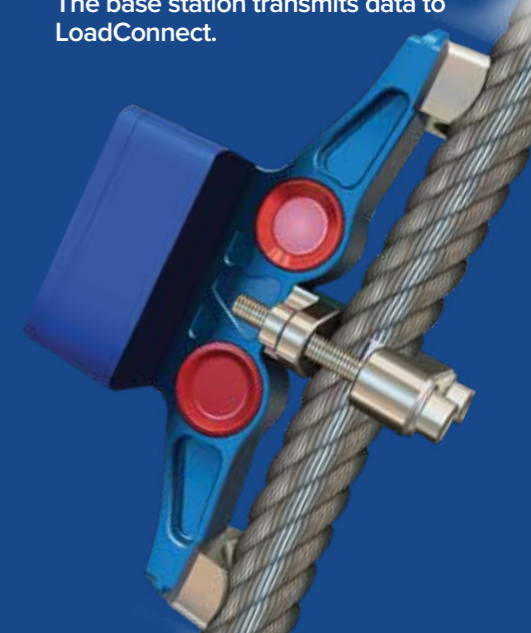
- Radiolink
- Wirelink
- Loadshackles
- Compression loadcells

BOLT

The Crosby Straightpoint BOLT, Bolt On Line Tensiometer, is a lightweight wire rope tension meter or shunt tension meter for fast and accurate measurement of tensions up to 20,000lb or 10,000kg and up to 1.25" or 32mm diameter.

The BOLT is specifically designed to be mounted in a permanent position on wire rope or cable to monitor the tension.

In combination with the base station, loads can be monitored remotely. The base station transmits data to LoadConnect.



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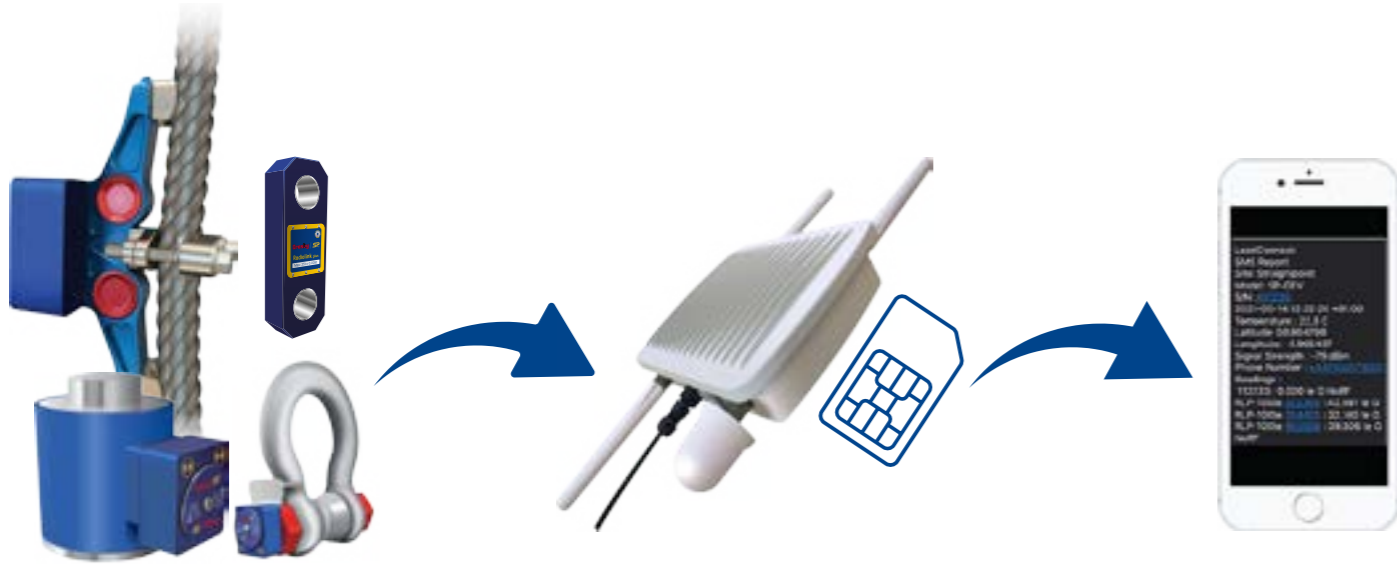
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LoadConnect



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LCBS-N BASE STATION



LoadConnect base station network (Part: LCBS-N) connects to Crosby Straightpoint wireless load cells within range and transmits their live load readings and alerts via the 3G/4G network directly to up to 3 smartphones.

The LCBS-N base station can be paired with up to 16 SP wireless load cells for use at remote sites such as cell tower guy lines, marine moorings or aquaculture installations where autonomous remote monitoring and alerts via SMS of present load conditions, for instance, overload or underload, are required.

Configure the LCBS-N base station to receive real-time loads on demand via SMS to the base station or configure the base station to send an SMS of load(s) from connected load cells at a user-programmed time interval, every 60 minutes, for example in addition to triggered alerts.

With load cells connected to LCBS-N the benefits to applications such as monitoring cable or wire tension such as telecom towers, bridges or ski lifts and is ideal for remotely monitoring loads on large-scale construction projects, hard-to-reach or remote sites. Plus utilise on remote alarms on entertainment rigging systems, aquaculture installations and view marine mooring loads.

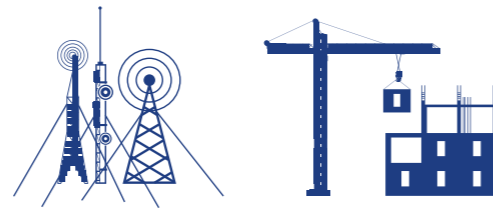
FEATURES

- SMS alerts
- Live load data on demand
- Error and overload/underload alerts
- Connect to multiple Crosby SP load cells
- Communicate with 1-3 smartphones
- Bi-directional data
- Global communication



BENEFITS

- Minimise remote site visits with autonomous load monitoring
- Improve productivity with more data
- Faster reaction and collaboration
- Protect assets
- Improve worksite safety
- Monitor lifting projects from across the globe



How it works

Connected Crosby SP load cells transmit data wirelessly to a paired LoadConnect base station, this data is sent in real-time, via SMS, to a configured smartphone(s) anywhere in the world. LoadConnect toolkit software will allow you to assign up to three smartphone numbers and each phone can poll the LoadConnect base station for real-time readings via SMS.

Users can configure custom schedules via the toolkit software installed on a PC or laptop. For instance, power up a load cell(s) remotely by time, date and day of the week to take a load reading and send that data to a smartphone via SMS.

Additionally, users can configure SMS alerts for each load cell for the following conditions:

- Over and under-load alarm limits triggered
- Loadcell error alert
- Loadcell low battery alert
- Loadcell permanent overload alert (over 110% of loadcell WLL)
- Loadcell overload alert (over 101% of loadcell WLL)
- Loadcell calibration due alert
- Loadcell RF error alert
- Loadcell cloud data transfer error
- Base station casing opened alert
- Base station power input done alert
- Base station high temperature / low temperature
- All events cleared alert

Part number	LCBS-N
Crosby Part	2789574
Required Power Supply	9 to 28 V DC
Radio frequency	2.4 GHz (License Free)
Maximum number of Loadcells	16 wireless (or 15 wireless & 1 cabled)
Range	Up to 500 m / 1640 ft
Operating temperature	-10 to +50 °C / 14 to 122°F
Backup battery life	8 hours
Cabled loadcell input	1x 4-20mA (2 wire) OR 1x mV/V
Weight	2.75 kg / 6lbs
Network supported	3G/4G
Frequency band	LTE-TDD B34/B38/B39/B40/B41 LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/ B18/B19/B20/B25/B26/B28/B66 UMTS/HSPA+ B1/B2/B4/B5/B6/B8/B19
SIM type	Micro SIM (not included)
Alert functionality	via SMS (up to 3 pre-defined numbers)
IP Rating	IP67/NEMA6
Dimension	560 x 260 x 90 mm / 22" x 10.2" x 3.5" - antennas included

Requirements

- SIM Card (user to provide with data option before installation)
- LCBS-N base station on-site
- SW-D USB dongle and PC toolkit software for set up (supplied with LCBS-N)
- Power source 9-28v dc (backup battery gives 8hrs support) - could be solar or wind-generated
- Up to 16 Crosby SP wireless load cells (or 1 cabled loadcell and 15 wireless load cells)
- Smartphone