

## INSIGHT Software

Numerous proof load testing applications worldwide require a loadcell to verify the load applied. From crane testing, using water bags to pad eye testing, using hydraulic tools, the need to document test procedure and results has never been greater, especially as users of lifting equipment call for more traceability and audit trails.

A proof test is a form of stress test to demonstrate the fitness of a load-bearing structure, and is nominally a non-destructive test. Such a structure is often subjected to loads above that expected in normal use, demonstrating safety and design margin.

This demand has increased so much, Crosby Straightpoint offers a software package designed to connect to any of their wireless loadcells – Proof Test plus.

This impressive package allows the test engineer to wirelessly, at a safe distance, monitor a proof load test and automatically create a pass or fail certificate when testing is complete.

The report is formatted as a PDF, which may then be printed, emailed, or uploaded to the cloud, resulting in a traceable document for both test engineer and end customer.

Typical load tests using Crosby SP loadcells include:

- Bollard pull tests
- Tug tests
- Crane test (water bags, block weights)
- Pad eye or fly point testing
- Crash barrier testing
  - Lifting equipment testing
  - Slings, chains, wire rope, hooks
- Construction equipment testing
  - Shoring columns, acrow props, lintels
- Lifting and spreader beam testing
- Hydraulic cylinder load test
- Supplied with SW-D transmitter

ACME Corporation  
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 www.acmelifting.com

**Certificate of Load Test - 10 August 2021 11:59:16**

Date of Test:	10 August 2021 11:59:16	Product Description:	Pad Eye
Certification Number:	AL-10001	Serial or Tag No.:	112255
Company:	Rob Friend	WLL:	20te
Address:	Unit 19, Express Way, 90012	Test Method:	Pull
Tel:	+006 2543467	Load Test To:	20te
Contact:	testcustomer@company.com	Duration of Test:	54.83 seconds
Reference Loadcell:	sm	Notes:	Max load can reach up to m101% of WLL
Serial Number:	888888	Calibrated On:	Wednesday, 06 February 2019
Calibrated Unit:	te	WLL:	20
		Measuring Unit:	te

**Peak Load: 23.098 te**

This is to certify that this product described herein has been subjected to the load test.  
Caution: Never exceed the rated capacities.

Notes: Test accepted

Signed: Bob Friend

Appointed Person: Bob Friend ID: 1234 Eng

This proof test was carried out using a reference load cell that had exceeded the recommended recalibration interval (12 months).

<b>Part Numbers</b>	<b>INSIGHT med SW-D</b>
<b>SP</b>	
<b>Crosby</b>	2789318
<b>IP rating</b>	IP67 / NEMA6
<b>USB Dongle Operating Temp.</b>	-20°C to +70°C / -4°F to 158°F
<b>Licence</b>	Licence free
<b>Frequency</b>	2.4 GHz
<b>Range</b>	700 meters / 2,300 feet
<b>Loadcell Inputs</b>	Up to 126
<b>PC Requirements</b>	Intel i3 processor with 2GB RAM
<b>Operating System</b>	Windows 7 and 10