Radiolink plus

Hardened bushes to accept industry standard shackles

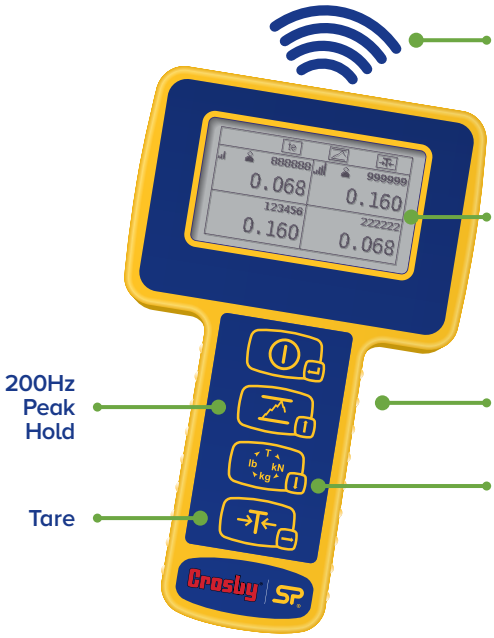
Std. AA Batteries 1200hrs Easy no tools access

Internal Antennae

Environmental protection IP67 or NEMA6

High-quality hard anodised aerospace aluminium

Angular ends to reduce weight and snagging when rigged



1000m or 3280ft Wireless Range

Reads up 4 load cells simultaneously

Low Battery Signal Strength

90db Audible Overload Alarm

Multiple Display Units t/lbs/kg/kN

200Hz Peak Hold

Tare

Radiolink plus is designed to be rigged with Crosby standard shackles - DNV-GL type approved wireless tension load cell capable of weighing and dynamic load monitoring in capacities from 1t to 500t – from stock with an ATEX and IECEx version available for hazardous areas, zones 0, 1 & 2.

Three versions of the RLP are available:

- Long range 2.4GHz version providing industry-leading wireless range of 1000m or 3280ft to SP's SW-HHP handheld or software options.
- Bluetooth output and can be connected to any smart phone running SP's free HHP app on iOS or Android, at ranges up to 100m or 328ft.
- ATEX/IECEx for hazardous areas, zones 0, 1 & 2. Providing a wireless range of up to 500m or 1640ft to SW-HHP-ATEX handheld.

Constructed from high-quality aerospace grade aluminium, the RLP features an advanced internal design structure. This design provides the product with an unrivalled strength to weight ratio. The use of a separate internal sealed enclosure administers the load cell's electronic components with IP67 or NEMA6 environmental protection, even with the battery cover plate missing. All these features makes it an industry-leading dynamometer, suitable for use in the harshest of environments.

The versatile RLP is able to provide an update rate of 3Hz and can be easily configured to run at industry-leading speeds of up to 200Hz, making it ideal for dynamic force measurement.

Decades of development into this product include many stand out features such as SP's unique strain gauging method that helps compensate for wire rope torque when the Radiolink is loaded. The Radiolink plus tension load cell can also be used in combination with Crosby | Straightpoint 'INSIGHT' high speed wireless data logging software allowing for simultaneous control, display and real time data logging of up to 126 Crosby | Straightpoint wireless load cells.

A full array of wireless accessories are also available including wireless score board, overload alarm and base station with analogue (4-20mA) or 2 relay or RS485 ASCII outputs.

Features and benefits:

- Proprietary 2.4 GHz Wireless
- Remote On-Off from handheld display or software
- ATEX Zones 0, 1 & 2 available
- Design validated by F.E.A.
- 2-year warranty
- DNV-GL Type Approval
- Complies with ASME B30.26
- Bluetooth option is available and is supplied with a free HHP App for iOS and Android

Accessories available for the handheld:

Wall or Cab Mount Bracket
SP Crosby Part Nos. **SU3282** 2789228

Rugged Rubber Boot
SP Crosby Part Nos. **SU4045** 2789232

Crosby® | SP®

#knowtheload

Also available with hazardous area approval. Zones 0, 1 & 2

ATEX / IECEx

Ex ia II C T4 Ga

Certification numbers:

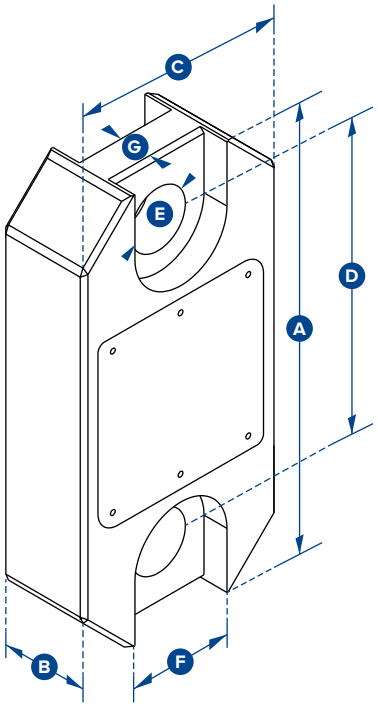
RLP ATEX

IECEx SIR 15.0071X / Sira 15ATEX2195X

SW-HHP ATEX

IECEx SIR 15.0072X / Sira 15ATEX2196X

Add 'ATEX' to the part number when ordering ATEX/IECEx products. For example: RLP6T5-ATEX



Part Numbers SP	RLP1T	RLP2T5	RLP6T5	RLP12T	RLP25T	RLP35T	RLP55T	RLP75T	RLP100T	RLP150T	RLP200T	RLP250T	RLP300T	RLP500T
Crosby	2789084	2789089	2789094	2789082	2789088	2789091	2789093	2789095	2789081	2789083	2789085	2789087	2789090	2789092
Capacity	1,000kg	2.5te	6.5te	12te	25te	35te	55te	75te	100te	150te	200te	250te	300te	500te
	2200lb	5500lb	14300lb	26000lb	55000lb	77000lb	120000lb	165000lb	220000lb	330000lb	440000lb	550000lb	660000lb	1100000lb
Resolution	0.5kg	0.001te	0.001te	0.002te	0.005te	0.005te	0.01te	0.01te	0.05te	0.05te	0.1te	0.1te	0.1te	0.1te
	1lb	2lb	2lb	5lb	10lb	10lb	20lb	20lb	100lb	100lb	200lb	200lb	200lb	200lb
Units	kg	te	te	te	te	te	te	te	te	te	te	te	te	te
	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb
Weight	1.5kg	1.5kg	2.4kg	3.7kg	5kg	8.6kg	13kg	16kg	34kg	46kg	82kg	82kg	118kg	193kg
	3.3lb	3.3lb	5.3lb	8.2lb	11lb	19lb	28.7lb	35.3lb	75lb	101.4lb	180.8lb	180.8lb	260lb	425.5lb
Safety Factor	12:1	7:1	7:1	7:1	5:1	5:1	5:1	5:1	5:1	4:1	5:1	4:1	5:1	5:1
Battery Type	Handheld 2 x AA / Load cell 4 x AA													
Battery Life	Handheld - 40 hours / Load cell 1200 hours continuous (Load cell 500 hours if Bluetooth)													
Display Type	240 x 128 pixel Multi-line dot matrix with backlight													
Operating Temp	-10°C to +50°C or 14°F to 122°F													
Accuracy	±0.1% of full scale													
Frequency	2.4 GHz													
System Range	1000 metres or 3280 feet (100 metres or 328 feet if Bluetooth) (500 metres or 1640 feet if ATEX/IECEx)													
Data Rate	3 Hz - up to 200 Hz can be ordered for dynamic load monitoring applications													
Protection	IP67 or NEMA6													
Dimension A	204	204	249	305	340	393	424	470	608	670	700	700	806	930
	8.03"	8.03"	9.80"	12.01"	13.39"	15.47"	16.69"	18.50"	23.94"	26.38"	27.56"	27.56"	31.73"	36.61"
Dimension B	43	43	43	47	60	75	75	75	99	99	144	144	150	150
	1.69"	1.69"	1.69"	1.85"	2.36"	2.95"	2.95"	2.95"	3.90"	3.90"	5.67"	5.67"	5.91"	5.91"
Dimension C	104	104	113	113	115	126	180	202	255	303	350	350	426	570
	4.09"	4.09"	4.45"	4.45"	4.53"	4.96"	7.09"	7.95"	10.04"	11.93"	13.78"	13.78"	16.77"	22.44"
Dimension D	146	146	165	193	215	225	230	260	320	360	350	350	350	450
	5.75"	5.75"	6.50"	7.60"	8.46"	8.86"	9.06"	10.24"	12.60"	14.17"	13.78"	13.78"	13.78"	17.72"
Dimension ØE	24.5	24.5	38	47.5	55	60	76	76	109	109	145	145	160	200
	0.96"	0.96"	1.50"	1.87"	2.17"	2.36"	2.99"	2.99"	4.29"	4.29"	5.71"	5.71"	6.30"	7.87"
Dimension F	48	48	65	Not relevant in this capacity										
	1.89"	1.89"	2.60"											
Dimension G	19	19	32											
	0.75"	0.75"	1.26"											
Crosby Shackle	G2130						G2140							G2160
Loading Pin Ø	19	19	25	35	51	57	57	70	83	95	121	127	152	180
	3/4"	3/4"	1"	1 3/8"	2"	2 1/4"	2 1/4"	2 3/4"	3 1/4"	3 3/4"	4 3/4"	5"	6"	7 1/8"