WIRELESS-LOADLINK

The wireless load link transmits the load value to computer or handset device via radio channel. ***Aerospace grade aluminum alloy*** tension link provides ***high corrosion resistance*** capability and high level of robust design for rugged environment.

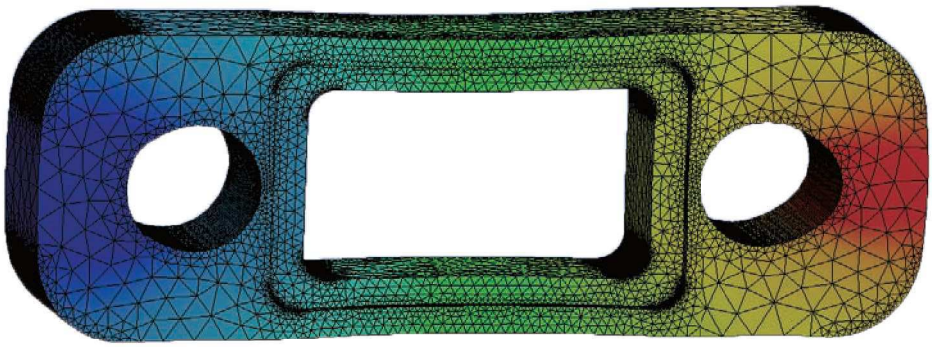
The wireless communication distance ranges from 150m to 250m or even longer using IEEE 802.15.4 networking definition in license free band.

Wirop engineering team has the ***leading power saving technology*** in the load monitoring industry. The countinous reading battery life reaches 280 hours at data rate 3.3Hz. The talented engineering team has developped the ***high grade noise filter technology coupled with ultra low voltage operating system*** without losing high accuracucy.

Cable Loadlink

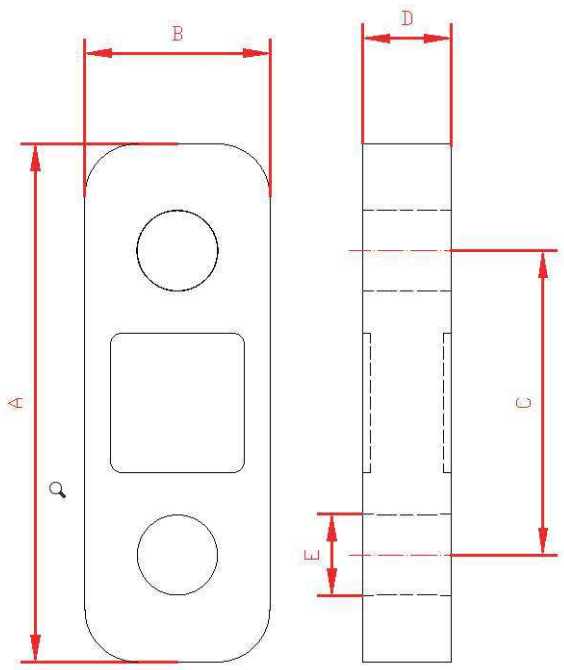
Loadlink is also available in cable type. It is a non-indicating version of the load link. The cable handset or other form of instrucmentation is required to read the load value. The standard cable loadlink is equiped with 5 m of cable.

Product Specifications



Professional structural analysis

	Wireless LoadLink	Cable Loadlink
Material :	Aerospace grade aluminum	
Battery :	AA battery X 4	
Operating hours :	240-950 Hours	
Safety factor :	5 times safety factor	
Data rate :	1-10 Hz, Standard 3Hz	
System Range :	500 ~ 700 m	
Frequency :	2.4 GHz	
Operating temp :	-10 °C ~ 60 °C	
Storage temp :	-10 °C ~ 70 °C	
Sensivitity :	1.5mV / V or above	
Input resistance :	430 ± 30Ω	
Zero balance :	± 2%	
Max Excitation :	12V	
Temp effect on zero :	0.03 % / 10 ℃	
Temp effect on output:	0.05 % / 10 ℃	
Safety overload :	150 %	



Application

- Testing
- Overhead Weighing
- Vessel weighing
- Certification

Capacity(T)	2	5	12	25	35	55	85	100	150	200	300
Accuracy (FS)	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Weight (kg)	1.7	2.9	4.7	8.3	9.7	14.7	23.4	42.0	55.7	87.0	147.7
A (mm)	202	275	303	365	410	465	550	615	690	710	860
B (mm)	104	104	115	132	134	166	223	213	242	300	312
C (mm)	149	196	204	234	248	273	296	335	370	350	430
D (mm)	48	48	48	63	69	79	79	122	124	155	189
E (mm)	17	27	38	53	60	72	85	99	112	132	153

- Cable loadlink needs a cable handset .
- Wirop reserves the right to change the specification .
- Capacity more than 300T loadlink is available upon request .
- Wirop Load links satify the requirement of ASME B30.26

Wireless Load-shackle

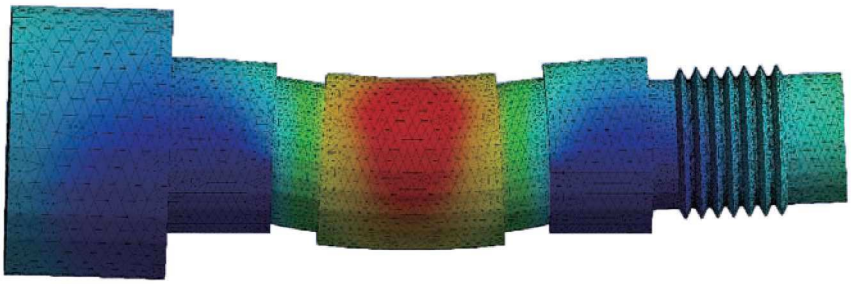
The Wireless Load-Shackle is made of industry leading Crosby or Green Pin shackle bow coupled with high strength stainless steel load cell pin. It transmits the data via license free 2.4GHz channel providing safe, high integrity, and error free data transferring. The load data can be read from computer with a USB receiver or handset device.

Wirop engineering team has the ***leading power saving technology*** in the load monitoring industry. The countinous reading battery life reaches 280 hours at data rate 3.3Hz. Talented engineering team has developped the ***high grade noise filter technology coupled with ultra low voltage operating system*** without its losing high accuracy.

Cable load shackle

Cable load shackle requires an external cable reader to indicate the loadvalue. Stocks available from in capacities 12T to 200T. With precised engineering and specially designed electronics, the cable and wireless reader provides unprecedented stability.

Product Specifications



Professional structural analysis

	Wireless Loadshackle	Cable Loadshackle
Material :	Stainless Steel (or High strength Steel)	
Battery :	AA batteries X 4	
Operating hours :	280 ~ 950 hours	
Safety factor :	5 times safety factor	
Data rate :	1-10 Hz, Standard 3Hz	
System Range :	150 ~ 250 m	
Frequency :	2.4 GHz	
Operating temp :	-10 °C ~ 60 °C	
Storage temp :	-20 °C ~ 70 °C	
Sensivitity :	2.0 mV / V or above	
Input resistance :	430 ± 30Ω	
Zero balance :	± 3 %	
Max Excitation :	12V	
Temp effect on zero :	0.03 % / 10 ℃	
Temp effect on output:	0.05 % / 10 ℃	
Safety overload :	150 %	