

TL6000™

TENSIONLINK

A cost-effective solution for virtually any industrial application.

Cranes, riggers, shipyards, construction sites, surveyors, inspectors and utilities demand cost-effective yet technologically advanced solutions for processing, monitoring and controlling overhead loads. The TL6000 is the industry standard bearer, delivering unsurpassed accuracy from 500 lbs to 300 tons in a lightweight, compact design.

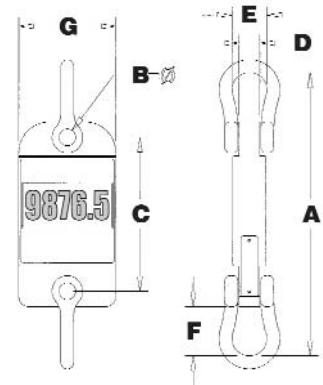
The electronics are shock-mounted in a NEMA 4X/IP65 weatherproof aluminum or stainless steel enclosure for protection against moisture, dust and rough usage. Weights are easily viewed with the industry's largest digital LCD readout (1.2 inches / 30mm). The easy to use membrane switches provide simple, trouble-free operation.

Features include peak hold, set points for relay control and keypad setup/calibration. Operates on two (2) 9-volt alkaline batteries for up to 800 or more hours due to the high efficiency micro-controller. Hand-held remote control and wireless models are available.

Specifications

- Construction:** Aluminum or Stainless Steel
- Accuracy:** +/- 0.1% of applied load or +/- 1 graduation; whichever is greater, +/- 0.2% or +/- 2 graduations for 25K & Higher
- Display:** Five digit, 1.2 inch/30 mm high LCD
- Control Keys:** On/Off, Zero (100%), Tare (100%), Peak Hold and Mode
- Annunciators:** Low Battery, Peak Hold, Set Points 1 & 2, lb, kg, tons, metric tons and dekaNewtons
- Power:** Two (9V) batteries
- Operating Time:** Up to 800 hours of continuous use. Wireless remote control models have reduced operating time.
- Operating Temperature:** -4 to 140° F/-20 to 60° C
- Enclosure:** Nema 4X/IP 65
- Overload:** 200% safe, 500% ultimate
- Calibration:** Digital Keypad, Multi-Point
- Output:** RS-232 and RS-485

Aluminum construction for 10K and below capacities.



Options & Accessories:

- Top and Bottom shackles (Crosby or equal)
- Crosby S-1 bottom swivel hook
- Portable carrying case (waterproof)
- Single display remote control (TL-IND1 hardware)
- Tandem display remote control (TL-IND2 hardware or TL-RF2 wireless)
- Quick disconnect for TL-IND1 and TL-IND2 hardware indicators
- Set point relay output control kit
- AC or DC power input (specify power requirements)
- Analog output
- Multi-load sensor input and summing
- Set point audible alarm



Weight reading from two TL6000 Tension Links.

TL6000 Wireless Remote Control

can communicate with 20 remote tension links simultaneously. The remote can display the weight from a specific tension link or the total weight from ALL tension links in the system. Can be interfaced with most PLC or notebook computers.

Stainless steel construction for 25K and above capacities.



CAPACITY	RESOLUTION	SHIP WEIGHT	A	B	C	D	E	F	G	SHACKLE TYPE & CAPACITY HOOK (CROSBY)	SHACKLE WEIGHT (PAIR)
500 lb	0.5 lb.	3.0 lb	13.00 in	0.81 in	7.42 in	1.00 in	1.69 in	2.00 in	4.75 in	G-2130-3 1/4 T	3.50 lb
250 kg	0.2 kg	1.4 kg	304.00 mm	21.00 mm	178.00 mm	25.00 mm	43.00 mm	51.00 mm	121.00 mm	G-2130-3 1/4 T	1.60 kg
1,000 lb	1.0 lb	3.0 lb	13.00 in	0.81 in	7.42 in	1.00 in	1.69 in	2.00 in	4.75 in	G-2130-3 1/4 T	3.50 lb
500 kg	0.5 kg	1.4 kg	304.00 mm	21.00 mm	178.00 mm	25.00 mm	43.00 mm	51.00 mm	121.00 mm	G-2130-3 1/4 T	1.60 kg
2,000 lb	2.0 lb	3.0 lb	13.00 in	0.81 in	7.42 in	1.00 in	1.69 in	2.00 in	4.75 in	G-2130-3 1/4 T	3.50 lb
1,000 kg	1.0 kg	1.4 kg	304.00 mm	21.00 mm	178.00 mm	25.00 mm	43.00 mm	51.00 mm	121.00 mm	G-2130-3 1/4 T	1.60 kg
5,000 lb	5.0 lb	3.0 lb	13.00 in	0.81 in	7.42 in	1.00 in	1.69 in	2.00 in	4.75 in	G-2130-3 1/4 T	3.50 lb
2,500 kg	2.0 kg	1.4 kg	304.00 mm	21.00 mm	178.00 mm	25.00 mm	43.00 mm	51.00 mm	121.00 mm	G-2130-3 1/4 T	1.60 kg
10,000 lb	10.0 lb	6.0 lb	15.22 in	1.06 in	7.60 in	1.40 in	2.28 in	2.77 in	5.00 in	G-2130-6 1/2 T	8.00 lb
5,000 kg	5.0 kg	2.7 kg	386.00 mm	27.00 mm	193.00 mm	36.00 mm	58.00 mm	56.00 mm	127.00 mm	G-2130-6 1/2 T	3.60 kg
25,000 lb	20.0 lb	9.0 lb	20.90 in	1.69 in	8.70 in	2.13 in	3.63 in	4.30 in	5.00 in	G-2130-13 1/2 T	42.00 lb
12,500 kg	10.0 kg	4.1 kg	530.00 mm	43.00 mm	212.00 mm	54.00 mm	92.00 mm	109.00 mm	127.00 mm	G-2130-13 1/2 T	19.00 kg
50,000 lb	50.0 lb	30.0 lb	24.70 in	2.06 in	9.20 in	2.44 in	5.00 in	5.93 in	5.00 in	G-2130-25 T	68.00 lb
25,000 kg	20.0 kg	13.6 kg	627.00 mm	52.00 mm	234.00 mm	62.00 mm	127.00 mm	151.00 mm	127.00 mm	G-2130-25 T	31.00 kg
100,000 lb	100.0 lb	65.0 lb	29.49 in	2.81 in	10.69 in	3.88 in	7.25 in	9.40 in	5.00 in	G-2130-55 T	104.00 lb
50,000 kg	50.0 kg	29.5 kg	749.00 mm	72.00 mm	271.00 mm	99.00 mm	184.00 mm	240.00 mm	127.00 mm	G-2130-55 T	47.00 kg
160,000 lb	200.0 lb	65.0 lb	32.60 in	2.81 in	10.69 in	3.88 in	7.88 in	7.80 in	5.40 in	G-2140-85 T	192.00 lb
80,000 kg	200.0 kg	29.5 kg	828.00 mm	72.00 mm	271.00 mm	99.00 in	200.0 mm	198.00 mm	138.00 mm	G-2140-85 T	87.00 kg
220,000 lb	200.0 lb	100.0 lb	38.40 in	3.50 in	12.40 in	4.45 in	7.88 in	8.50 in	5.90 in	G-2140-120 T	356.00 lb
110,000 kg	100.0 kg	45.5 kg	975.00 mm	89.00 mm	315.00 mm	113.00 mm	200.00 mm	215.00 mm	150.00 mm	G-2140-120 T	162.00 kg
350,000 lb	500.0 lb	175.0 lb	44.00 in	4.50 in	15.00 in	5.25 in	10.00 in	8.88 in	7.00 in	G-2140-175 T	676.00 lb
175,000 kg	200.0 kg	79.5 kg	1118.00 mm	114.00 mm	381.00 mm	133.00 mm	254.00 mm	225.00 mm	178.00 mm	G-2140-175 T	307.00 kg
400,000 lb	500.0 lb	250.0 lb	47.80 in	5.00 in	16.57 in	7.00 in	11.00 in	9.37 in	7.75 in	G-2140-200 T	900.00 lb
200,000 kg	200.0 kg	115.0 kg	1118.00 mm	127.00 mm	421.00 mm	178.00 mm	279.00 mm	237.00 mm	197.00 mm	G-2140-200 T	409.00 kg
500,000 lb	500.0 lb	300.0 lb	62.55 in	5.25 in	18.07 in	8.75 in	13.00 in	17.88 in	8.45 in	G-2140-250 T	1,200.00 lb
250,000 kg	200.0 kg	136.4 kg	1588.00 mm	133.00 mm	459.00 mm	222.00 mm	330.00 mm	454.00 mm	215.00 mm	G-2140-250 T	545.00 kg

Note: Resolution size is adjustable and can be optimized for the most demanding applications.

