

Wireless Sensor

Load Cell





T-Sens Load Cell

Description

Wireless module for effort measurement (push/pull) supplied with a load cell to be selected among a large variety of ranges. The load cell has two threaded holes which allow attachment on a bracket, trolley, or other fixation device. Compatible for operations with **T-Log** Datalogger, **T-DAC** module or **T-USB** Key.

Fields of use

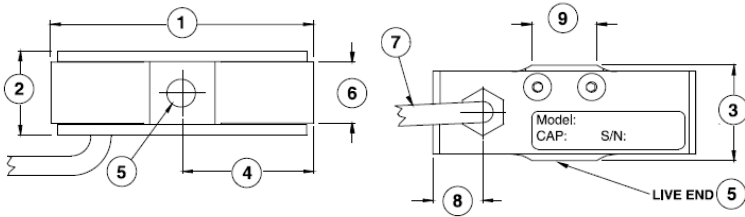
- Ergonomics
- Prevention
- Research
- Workstation analysis
- Sport
- and more...



Ref.: C2061

Ref.load cell:
contact TEA

Load Cell dimensions



See drawing	CAPACITY Newton (lbf)					
	22.2 (5), 44.5 (10)		111.2 (25), 222.4 (50), 444.8 (100)		889.6 (200), 1334.5 (300), 2224.1 (500), 4448.2 (1000)	
	inch	mm	inch	mm	inch	mm
①	1.80	45.7	2.00	50.8	2.12	53.8
②	0.52	13.2	0.64	16.4	0.90	22.9
③	0.73	18.6	0.73	18.6	0.98	24.9
④	0.90	22.9	1.00	25.4	1.06	26.9
⑤	Imperial: 10-32 UNF-2B European: M5 8-6H		Imperial: 1/4-28 UNF-2B European: M6 1-6H		Imperial: 3/8-24 UNF-2B European: M8 1.25-6H	
⑥	0.34	8.6	0.46	11.8	0.72	18.3
⑦	0.13	3.3	0.13	3.3	0.13	3.3
⑧	0.29	7.4	0.38	9.7	0.46	11.7
⑨	0.50	12.7	0.50	12.7	0.57	14.5

Sensor specifications

Calibration	N/A
Unit	N (Newton) / lbf
Frequency	32Hz
Resolution	16 bits
Accuracy	+/- 0,1%
Overload capacity	800%
5,10 lbf range	150%
25-1000 lbf range	cf. chart (imperial or metric type)
Screw thread	

Electrical specifications

Power supply	Li-Ion battery 220mAh
Battery life	8hrs
Recharging time	3hrs

Mechanical specifications

T-Sens Dimensions	52mmx25mmx14mm 2" x 1" x 0.5"
Wire length	80mm / 3.15"
T-Sens Weight	20g / 0.7 oz
Range available (lbf)	5, 10, 25, 50, 100, 200, 300, 500, 1000
Cell dimensions	see chart

Operating conditions

T°	0°C to 40°C / 32°F to 104°F
Humidity	< 60%

