



User friendly wireless load-sensors

- Wireless link - Bluetooth®
- Extended range of sensors
- Quick & easy setup
- Ultra-compact and lightweight
- Sends live data to the TenSeaZy® app on your phone, your instruments or any ODS controllers
- Easily in-line connected to any sheet or stay

TEPSS LKW

BE SMART & SIMPLE !!
Wireless load links



TEPSS LKW is part of the TenSeaZy® solution

... Many soft attachment options

- Webbing - lashing - loop - ...

... 4 sizes - 4 operating strengths

- LKW06 : 0.6T - LKW20: 2T - LKW60: 6T - LKW120: 12T

... Range up to 90m (290ft) line of sight

- Typical 15m (50ft) on a boat
- Bluetooth® Low Energy

... Long lasting wireless charging battery

- No cable, no connector, no battery swap.
- Just put it on the Qi charger
- Exceptional autonomy between battery charging

... Very robust

- IP 67 protection rating
- Titanium sensor body

... Multiple data reading and processing solutions

- TenSeaZy App on Smartphone or Tablet for hands-on measurement
- Data logger : TenSeaZy® logger
- UpSideUp® or Sailin'ctrl® controllers with their advanced ControlCenter software
- NMEA2000 / NMEA0183 compatible devices or softwares



Extensive configuration : one or more TenSeaZy sensors to one or more receivers/processing devices...



SPECIFICATIONS

PRODUCT LINE LOAD CAPACITIES

LKW06 : Max Working Load 6Kn - Breaking load 10kN (1T)

LKW20 : Max Working Load 20kN - Breaking load 30kN (3T)

LKW60 : Max Working Load 60kN - Breaking load 90kN (9T)

LKW120: Max Working Load 120kN - Breaking load 180kN(20T)

Specific capacity available on request

DATA TX

Data rate : 7 user changeable rates from 1 sample every 25 seconds to 10 samples per second

Resolution : 14.25bits to 16.75bits user changeable

Sends : actual value, minimum value, maximum value

MATERIALS

Core sensor : Titanium TA6V

Plastic flanges : ASA

DIMENSIONS AND WEIGHTS

LKW06 : H62 x W41 x D26 mm - 65g *(with 1 battery)*

LKW20 : H68 x W41 x D26 mm - 110g *(with 1 battery)*

LKW60 : H86 x W41 x D33 mm - 220g *(with 1 or 2 batteries)*

LKW120 : H94 x W47 x D35 mm - 370g *(with 1 or 2 batteries)*

Specific form factor on request

MANY DATA READING & PROCESSING SOLUTIONS

TENSEAZY MOBILE APP

Our mobile App interface creates refined dashboards for hands-on measurement on Smartphones or Tablets

Displays current load, Maximum and Minimum values

Highly configurable dashboards with Number box, Bargraph, Gauge, Indicator, Chart

Two threshold values for coloured indicators

Displays data from multiple sensors

Basic data logging and export *.csv

OCEAN DATA SYSTEM CONTROLLER RANGE

The TEPSS LKW can be part of our extended range of solutions for monitoring, security, data processing, ...

TenSeaZy logger - UpSideUp - Sailin'Ctrl - ODxA/ODxI

NMEA2000 INSTRUMENTS, DEVICES, SOFTWARES

With the TenSeaZy gateway, data can be easily integrated to most of marine electronics and navigation softwares.

Outputs : NMEA2000 - NMEA0183 - NKE

Do not use the ODS Developments products for human suspension, unless product is specifically certified and labelled for such use.

POWER SUPPLY - BATTERY LIFE

Embedded Li-Po battery :

- 1 battery by default
- 2 batteries optional

Wireless charging on Qi compatible stand.
A clip-on charger is supplied with the sensor.

Operating life per battery (*indicative*) : @ 14.25 bits

TX rate	1 battery	2 batteries
1 every 10 seconds	420 days	840 days
1 every 5 seconds	210 days	420 days
1 per second (1Hz)	42 days	84 days
5 per second (5Hz)	8.5 days	17 days
10 per second (10Hz)	4.2 days	8.4 days
Sleep mode	> 2 years	> 4 years

Power ON/OFF : The sensor is ON by default as it is designed to be "Set and Forget"

A clip-on bracket is supply to turn the power OFF

ACCURACY

Overall accuracy over full scale : 0.4%

Max non linearity over full scale : +/-0.4%

ENVIRONMENTAL

Operating Temperature Range : -20 to +60°C

Storage Temperature Range : -40 to +85°C

Protection rate IP67

