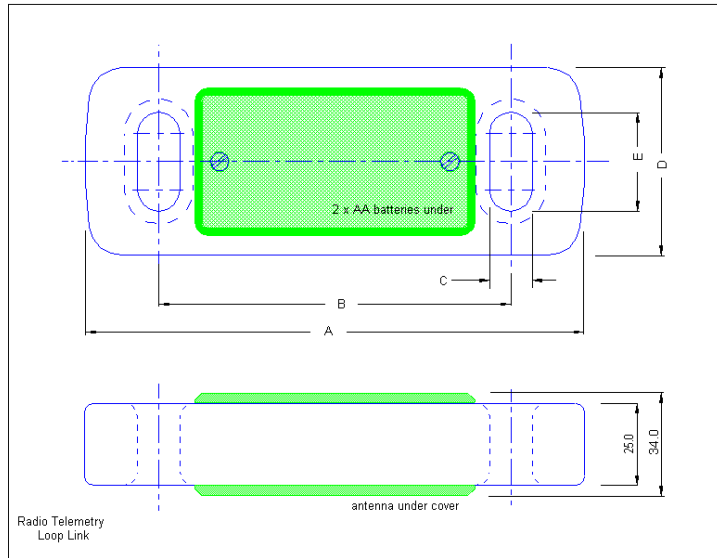


Wireless Link Load Cell



TYPE	RATING (Tonne)	RATING					WEIGHT Grams
		A	B	C	D	E	
LL05TX	5	152	107	13	57	30	450
LL10TX	10	183	119	19	75	38	715

The Loop Link wireless Load Cell is designed for remote monitoring of forces and loads where conventional hard-wired load cells are impractical or positioned in an inaccessible location. Each cell is manufactured from aircraft spec anodised aluminium alloy, fully tested and proof loaded.

The load cells are designed to be tied into the load path being monitored with a suitable lashing or using Harken Loups™. An ON/OFF switch is incorporated into each link to isolate the batteries when the unit is not being used. Two different display options are available for the user:

Option 1: The simple handheld display (as picture) talks directly to the link indicating load, remote battery state and signal strength. A Tare (zero) key is available. This instrument will wake up the load cell when powered up and put it to sleep when switched off (which saves battery life).

Option 2: A USB self-powered interface unit provides the same load information as seen by the link available on a laptop or PC. The software supplied with this interface provides a display of the load on the link, a graphical display of the load (history scrolling) and the ability to log real time data to a designated file. Options are available to monitor (and log) the data at a slow rate of 1Hz or up to 20Hz to monitor peak forces seen by the link. The logged data is automatically saved in excel format for easy tabulated or graphical representation of load.

Load Cell specification

Proof load	150% of rated load
Max error band (linearity)	+/- 0.2% full range
Batteries	2 x Lithium AA size 1.5V
Battery life	> 3 months continuous @ 1Hz update
Operating range	> 30 metres
Radio frequency	2.4 GHz, power 1mw, license exempt

Handheld display specification

Keys available	ON / OFF & Gross / Net
Battery life	40 hrs continuous
Size	90 x 152 x 34mm
Indicators	Signal Low, Battery Low Remote battery Low, Remote error
Sleep mode	Switch OFF to put remote cell in deep sleep

USB module - PC interfacing

Interface	USB, self powered from PC
TelemLog Software	Provides digital & graphical load data
<i>See screen shot</i>	Load history graph + remote battery state
	Update rate from 1Hz to 20Hz with logging
T24 Toolkit Software	Full analytical toolkit software

