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Wireless Load Cell Systems

Control Line

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FXC S325B	FXC S325R	FXC S475B	FXC S475R
			
3.2t Control Load Cell - Black	3.2t Control Load Cell - Raw	4.7t Control Load Cell - Black	4.7t Control Load Cell - Raw

FXC G100HD	FXC R100HD	FXA TMAG	FXB V1032
			
Control Line Real-time USB Gateway	Control Line Real-time Repeater	Magnetic On-Off Key	ABS Suitcase (models available)

Main Features

Max No. of cells per system	100
Max No. of repeaters per gateway	up to 10
Load sampling	every second
Minimum transmission rate	every second or more
Real transmission rate	according to the load status (when the load stabilizes, the rate slows down)
Range (cells/gateway)	100/150m (line-of-sight)
Range (cells/repeater)	100/150m (line-of-sight)
Range (repeater/gateway)	300/500m (line-of-sight)
Data storage	local PC (connected to gateway via USB cable)
Repeater/gateway connection	wireless
Batteries	2 x CR 123
Expected battery life	3000/7000h
Radio frequency	Sub-1Ghz (868Mhz for Europe, 915 for USA, Canada and many other countries)
Installation	Plug & Play (no radio set up)
Grade	IP66
Enclosure	semi-transparent screwable cap

Range is intended for line-of-sight. Battery life depends on the transmission rate.

Technical data subject to change without notice.

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FLEXA WIRELESS LOAD CELL SYSTEMS - CONTROL LINE

Real Time Control System
Wireless Shackle Load Cells

A revolutionary solution for wireless load cells. A true plug & play system with an innovative design and unique functions.

The cell structure consists of 3.2t and 4.7t WLL Van Beest Green Pin Shackles.

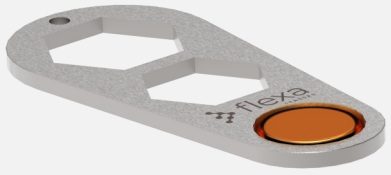
We have dedicated many resources to the development of the module that contains the electronics and battery holders. Everything has been designed to isolate the electronic circuits as much as possible with a double protective shell.

The batteries are compact and borrow design features from the camera industry to ensure stable performance and long life. The cylinder shape of the enclosure limits shocks and the anti-rotation ring is integrated into the pin, leaving the upper part of the shackle free.

The cylinder is made with semi-transparent polycarbonate to allow viewing the internal LED: this solution is very useful for identifying cells with anomalous loads. This also allows the "call me" function with which to turn on the LED from the interface to immediately identify the cell.

The tightening nut of the pin is a "crown" type which allows it to be fixed in the same position at all times, so as not to distort the pin calibration data. In addition, the magnetic key allows the nut to be unscrewed for complete disassembly.

No tools are needed to access the batteries, all you need to do is unscrew the cylinder from its aluminium ring nut without having to loosen any screws. The cylinder has no holes, and the ON-OFF switch is magnetic and without buttons for a high IP degree.



FLEXA REAL-TIME WIRELESS LOAD CELLS - CONTROL LINE

Control Line

System designed to measure loads in real time with weight reading every second and variable data transmission from 1 second to 1 minute.

Battery-saving smart transmission strategy: transmits every second when the load change exceeds a configurable threshold, transmits less often when the load is stable.

"CALL ME" function flashes the LED from an interface command to easily trace the cell.

The system can be controlled from a local PC connected to the gateway via a USB cable. No Internet connection is required.

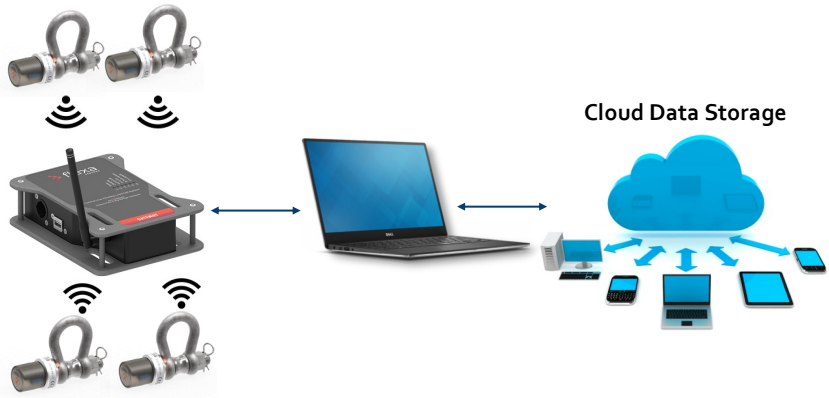
The distances between the cells and the gateway depend on the environmental conditions.

In case of problems in signal propagation, a repeater is available for positioning between the cell area and gateway.

The gateway receives the signals from the cells and sends them to a PC for local management of the system.

At the next internet access, all data are sent from the PC to the Cloud Data Storage* to be accessed by other devices.

* (function not yet available)



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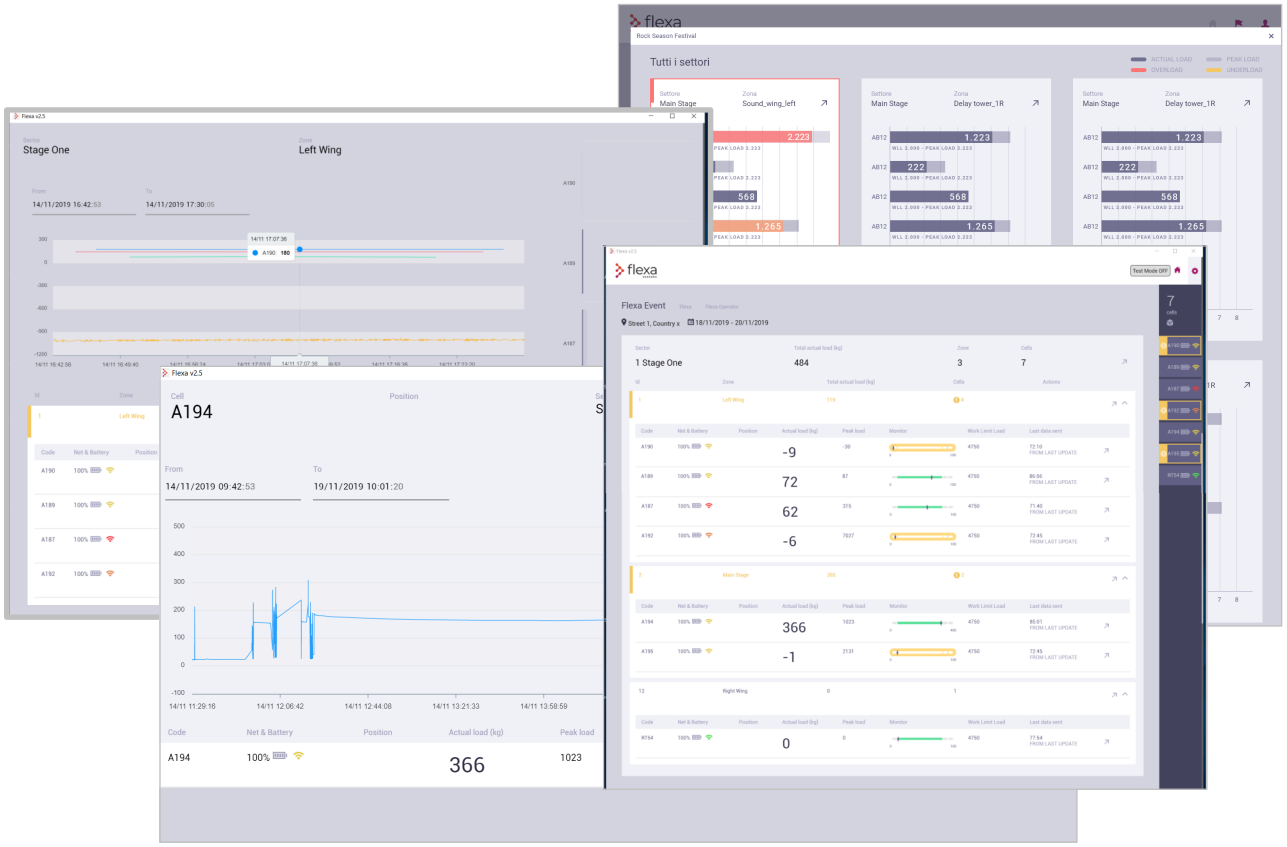
FLEXA GRAPHICAL USER INTERFACE - CONTROL LINE



User Interfaces allow creating multiple events at the same time.

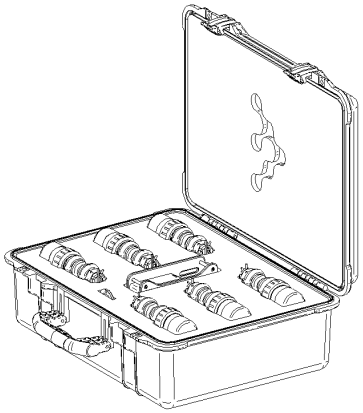
"Sectors" are created for each event, which in turn are divided into "zones."

Each zone is populated with an indefinite number of cells. Information is always available on the history of each cell, as well as the load graphs, battery charge values, radio signal quality and the date recommended for the next recalibration.
Each sector, zone or cell has its own interface page that can be opened individually or simultaneously with other pages on multiple screens.

The overload and underload levels can be set by the operator.

All tables can be downloaded in PDF, CSV, EXCEL format. If cloud storage* is enabled, data can be shared, but parameters cannot be changed remotely.

* (function not yet available)



The ABS cases can hold up to 6 4.7t cells or 10 3.2t cells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