



WIRED & WIRELESS
LOAD CELLS



EXE® is a registered trademark of Area Four Industries, representing reliability and innovation in the entertainment and event installation industry. **EXE Technology** products are designed to ensure the safe lifting and control of stage equipment, video walls, suspended structures, and other essential elements for shows and exhibitions.

This catalogue is exclusively dedicated to **EXE CELL (wired)** and **EXE FLEXA (wireless)** load cell systems, engineered for precise load monitoring and safe lifting operations.

EXE
CELL

 **LC-PRO**

 **LC-NLP**

EXE
FLEXA

 **Real-Time**

 **Dynamic**



exetechnology.com

Other **EXE Technology** products, including chain hoists and motor controllers, are available in dedicated catalogues. You can find them on our website or by scanning the **QR code**.

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EXE CELL

EXE CELL

WIRED

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EXE FLEXA

EXE FLEXA

WIRELESS

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01

EXE
CELL

EXE CELL WIRED LOAD CELL SYSTEMS

MONITORING AND CONTROLLING LOAD

EXE Cell is a system developed to add the over and under load safety function to the machine by monitoring and controlling the load in real time, equipped with an intelligent and intuitive software.

LC-PRO5

The LC-PRO5 system provides advanced load monitoring and safety features for chain hoists. With integrated or external load cell technology, network boosters, and intuitive software, LC-PRO5 solution ensures precise control, enhanced durability, and real-time alerts, making it ideal for demanding environments where reliability and safety are crucial.

LC-NLP

The LC-NLP is a precision load cell system tailored for accurate weight measurement. Perfect for applications such as LED walls, ceilings, and trusses, it supports loads of up to 5t. Its reliable wired configuration guarantees uninterrupted operation, free from radio coverage limitations.

EX3

CELL

LC-PRO

LC-PRO5 Wired Load Cells

LOAD CELL



DynaCell
0.5t - 5t



H-Cell
3.25t



Swivel - Fixed
Cell Hook



Display - Headless
Cell Panel



CNLINKO 7 PIN

HARDWARE INTERFACE



Network Cell Booster
NCB32



ETHERNET

SOFTWARE INTERFACE



EX3

CELL

LC-NLP

LC-NLP Wired Load Cells

LOAD CELL



DynaCell
0.5t - 5t



H-Cell
3.25t



Swivel - Fixed
Cell Hook



XLR 5 PIN

HARDWARE INTERFACE



Network Load Processor
NLP16



ETHERNET

SOFTWARE INTERFACE



EX3
CELL

LOAD CELL

DYNACELL & HCELL



DYNACELL 0.5t **LC-(PRO5)DY050B WLL 0.5t**

- Crafted from lightweight, durable aluminum.
- Optimized for strength and easy maneuverability.
- Efficiently handles moderate to heavy loads.
- Safety Factor 8:1.



DYNACELL 5t **LC-(PRO5)DY500H WLL 5t**

- Made from robust stainless steel.
- Designed for high durability and resilience.
- Suitable for heavy-duty tasks in harsh environments.
- Safety Factor 8:1.



H-CELL 3.25t **LC-(PRO5)HC325H WLL 3.25t**

- Made of sturdy stainless steel.
- Features a low-profile design to reduce overall height.
- Ideal for demanding tasks in tough environments.
- Safety Factor 10:1.

EX3
CELL

LOAD CELL

CELL HOOK & PANEL



The images show only some of the available models. To view the full range, please refer to the compatibility section.

CELL BODY HOOK



SWIVEL CELL HOOK

LC-H1T WLL 0.5t
LC-H2T WLL 1t
LC-H2TR WLL 2t

Integrated load cell in the swivel hook plate for EXE chain hoists, up to 2000kg, medium & large frame. Simple upgrade from standard hooks.



FIXED CELL HOOK

LC-LLB2000 WLL 2t

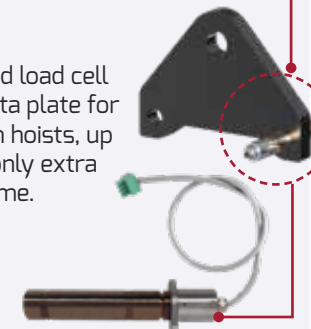
Integrated load cell in the fixed lifting lug bracket for EXE chain hoists, up to 2000kg, medium and large frame.



DELTA PLATE CELL PIN

LC-HP5T WLL 2.5t

Integrated load cell in the delta plate for EXE chain hoists, up to 2.5t, only extra large frame.



CELL PANEL



DISPLAY CELL PANEL

LC-PRO5

- Waterproof connectors (IP68 CNLinko 7 PIN) and dual-display with polycarbonate protection.
- Supports calibration and "Zero" (Tare) function for load accuracy.
- Configurable over-load and under-load settings.
- For Medium and Large Frame EXE chain hoist.



HEADLESS CELL PANEL

LC-PRO5H

- Waterproof connectors (IP68 CNLinko 7 PIN) with simplified design for improved reliability.
- Features "Zero" (Tare) function and adjustable load settings.



MEDIUM FRAME



LARGE FRAME



EXTRA LARGE FRAME



NETWORK CELL BOOSTER LC-NCB32

- Powers up to 32 EXE Cell LC-PRO5 modules via dual CN Linko 7-pin outputs.
- 3U rack-mount design with TFT display for monitoring loads, warnings, limits, address conflicts, slave/tare mode, interface voltages, NCB32 IP, E-STOP status, RELAY status, and more. Rear Powercon connectors (16A max) with auto-sensing voltage selector.
- Emergency Stop button for activating E-stop in over/under-load conditions, linkable with EXE controllers.
- Equipped with a 2-port switch, allowing the connection of 2 NCBs and handling up to 64 channels without the need for a network switch.
- Includes 4 dry contact relays, which can, for example, be used to trigger sounders for load alerts.



back view



LC-PRO SOFTWARE

- Easy Load Monitoring: Free and user-friendly software to configure maximum (overload) and minimum (underload) load limits for each hoist directly from a PC. Hoists automatically stop when pre-set limits are reached.
- Proactive Alerts: Additional warning thresholds can be set to provide visual alerts as loads approach the cut-out points.

EX3 CELL

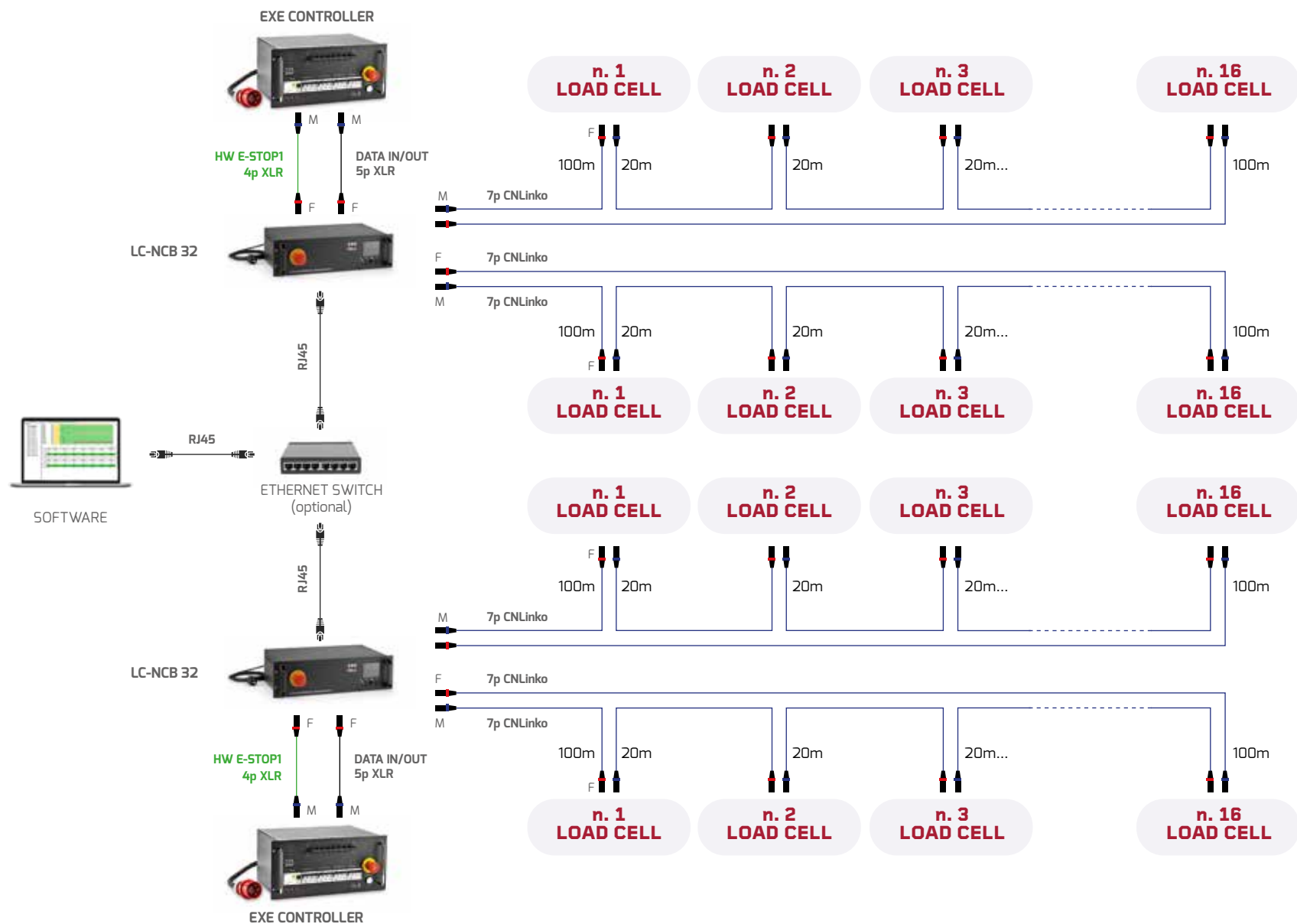
CONFIGURATION

EXAMPLE



LC-PRO

WIRED



LOAD CELL TYPE



DYNACELL



H-CELL



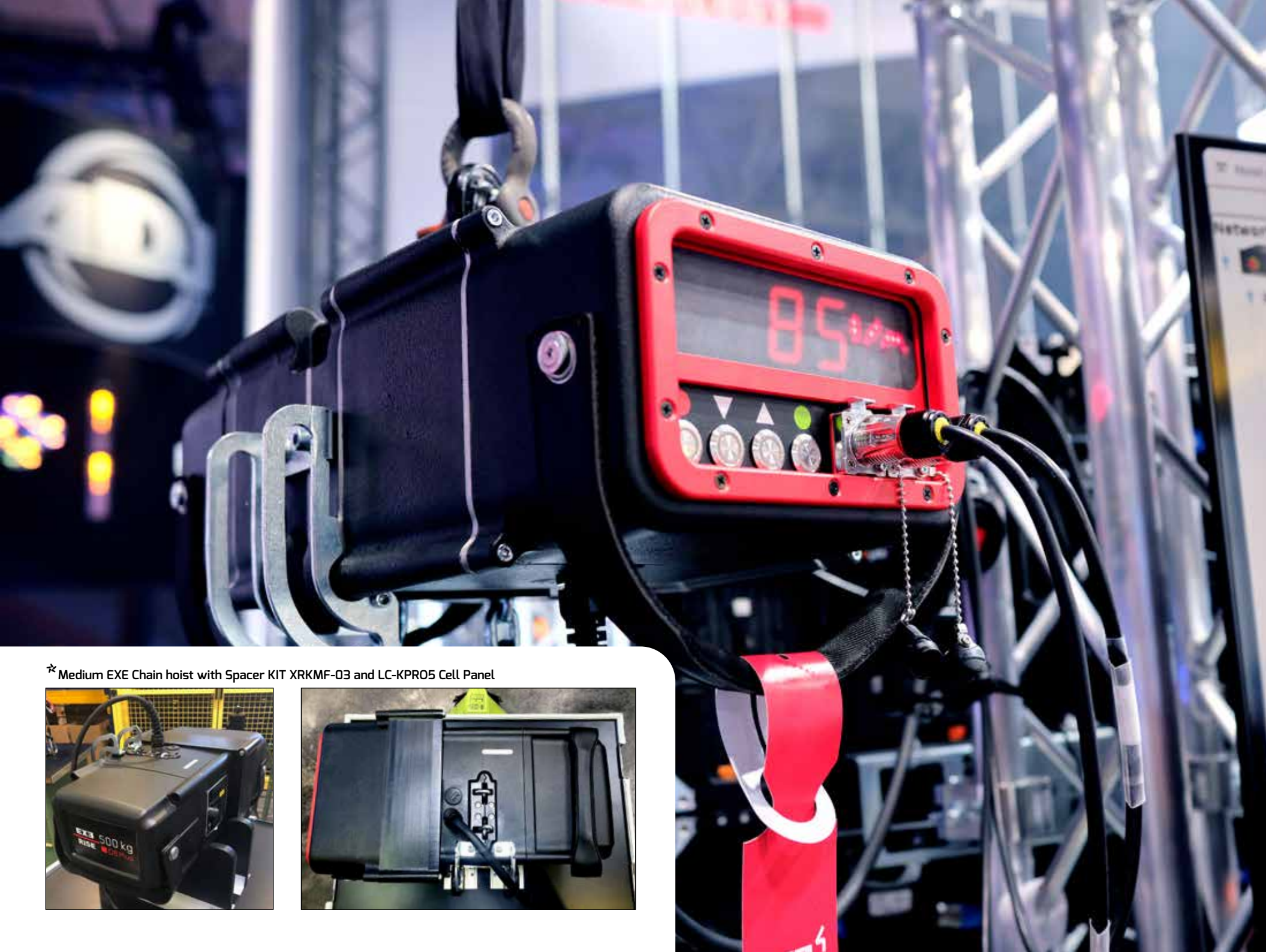
HOOK & PANEL

WIRED LOAD CELL

**LC-PRO****WIRED****Compatibility**

EXE CHAIN HOIST BODY SIZE (D8+)		MEDIUM COMPACT / MEDIUM FRAME	LARGE FRAME 1 REEVE	LARGE FRAME 2 REEVES	EXTRA LARGE FRAME	EXTRA LARGE FRAME
WORKING LOAD LIMIT (SF 8:1)		250 / 500 kg	1000 kg	2000 kg	2000 / 2500 kg	4000 / 5000 kg
STAND ALONE LOAD CELL	 LC-(PRO5)DY050B	✓	✗	✗	✗	✗
	 LC-(PRO5)DY500H	✓	✓	✓	✓	✓
	 LC-(PRO5)HC325H	✓	✓	✓	✓	✗

EXE CHAIN HOIST BODY SIZE (D8+)		MEDIUM COMPACT / MEDIUM FRAME	LARGE FRAME 1 REEVE	LARGE FRAME 2 REEVES	EXTRA LARGE FRAME	EXTRA LARGE FRAME
WORKING LOAD LIMIT (SF 8:1)		250 / 500 kg	1000 kg	2000 kg	2000 / 2500 kg	4000 / 5000 kg
SYSTEM LOAD CELL	 LC-KPRO5HM	 LC-H1T  LC-LLB2000	✗	✗	✗	✗
	 LC-KPRO5HL	✗	 LC-H2T  LC-LLB2000	 LC-H2TR  LC-LLB2000	✗	✗
	 LC-KPRO5HX	✗	✗	✗	 LC-HP5T	ON DEMAND
	 LC-KPRO5 *  SPACER KIT XRKMF-03	 LC-H1T  LC-LLB2000	✗	✗	✗	✗
	 LC-KPRO5	✗	 LC-H2T  LC-LLB2000	✗	✗	✗



★ Medium EXE Chain hoist with Spacer KIT XRKMF-03 and LC-KPRO5 Cell Panel



EX3
CELL

LOAD CELL

DYNACELL & HCELL



LC-NLP

WIRED



DYNACELL 0.5t

LC-DY050B WLL 0.5t

- Crafted from lightweight, durable aluminum.
- Optimized for strength and easy maneuverability.
- Efficiently handles moderate to heavy loads.
- Safety Factor 8:1.



DYNACELL 5t

LC-DY500H WLL 5t

- Made from robust stainless steel.
- Designed for high durability and resilience.
- Suitable for heavy-duty tasks in harsh environments.
- Safety Factor 8:1.



H-CELL 3.25t

LC-HC325H WLL 3.25t

- Made of sturdy stainless steel.
- Features a low-profile design to reduce overall height.
- Ideal for demanding tasks in tough environments.
- Safety Factor 10:1

**CELL HOOK****CELL BODY HOOK****SWIVEL CELL HOOK**

LC-H1T WLL 0.5t
LC-H2T WLL 1t
LC-H2TR WLL 2t

Integrated load cell in the swivel hook plate for EXE chain hoists, up to 2000kg, medium & large frame. Simple upgrade from standard hooks.

**FIXED CELL HOOK**

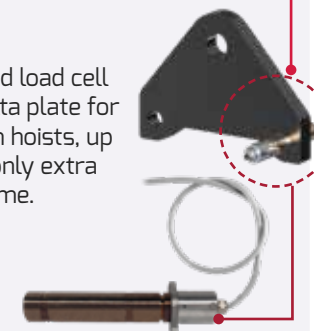
LC-LLB2000 WLL 2t

Integrated load cell in the fixed lifting lug bracket for EXE chain hoists, up to 2000kg, medium and large frame.

**DELTA PLATE CELL PIN**

LC-HP5T WLL 2.5t

Integrated load cell in the delta plate for EXE chain hoists, up to 2.5t, only extra large frame.

**LOAD CELL AMPLIFIER**

ACH0B07

- Resin-sealed programmable amplifier board.
- Integrated into the chain hoist only when equipped with a load cell hook / delta plate pin.





INTERFACE



NETWORK LOAD PROCESSOR LC-NLP16

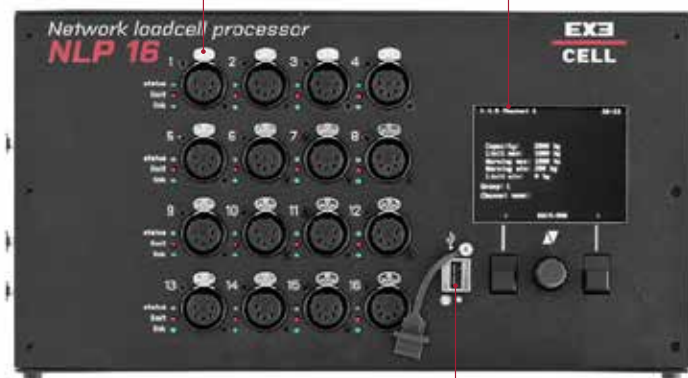
- User-friendly device designed by riggers for intuitive operation.
- Reads values from analog load cell (4-20mA output) with direct E-Stop functionality for rigging systems.
- Features a front TFT color display for viewing loads and groups without an external PC.
- Equipped with a universal power supply for global compatibility.
- Ethernet connection allows load monitoring but does not support linking multiple units.

LC-NLP16 INTERFACE 1-16

16x 5pin XLR female 4-20mA input port for the loadcell connection

DISPLAY

Large TFT full color display



USB CONNECTION

LINK B CONTROLLER DATA IN / DATA OUT

1x 5pin XLR male
1x 5pin XLR female

LINK A CONTROLLER DATA IN / DATA OUT

1x 5pin XLR male
1x 5pin XLR female

1x powerCON TRUE1
Power in



ETHERNET
CONNECTION

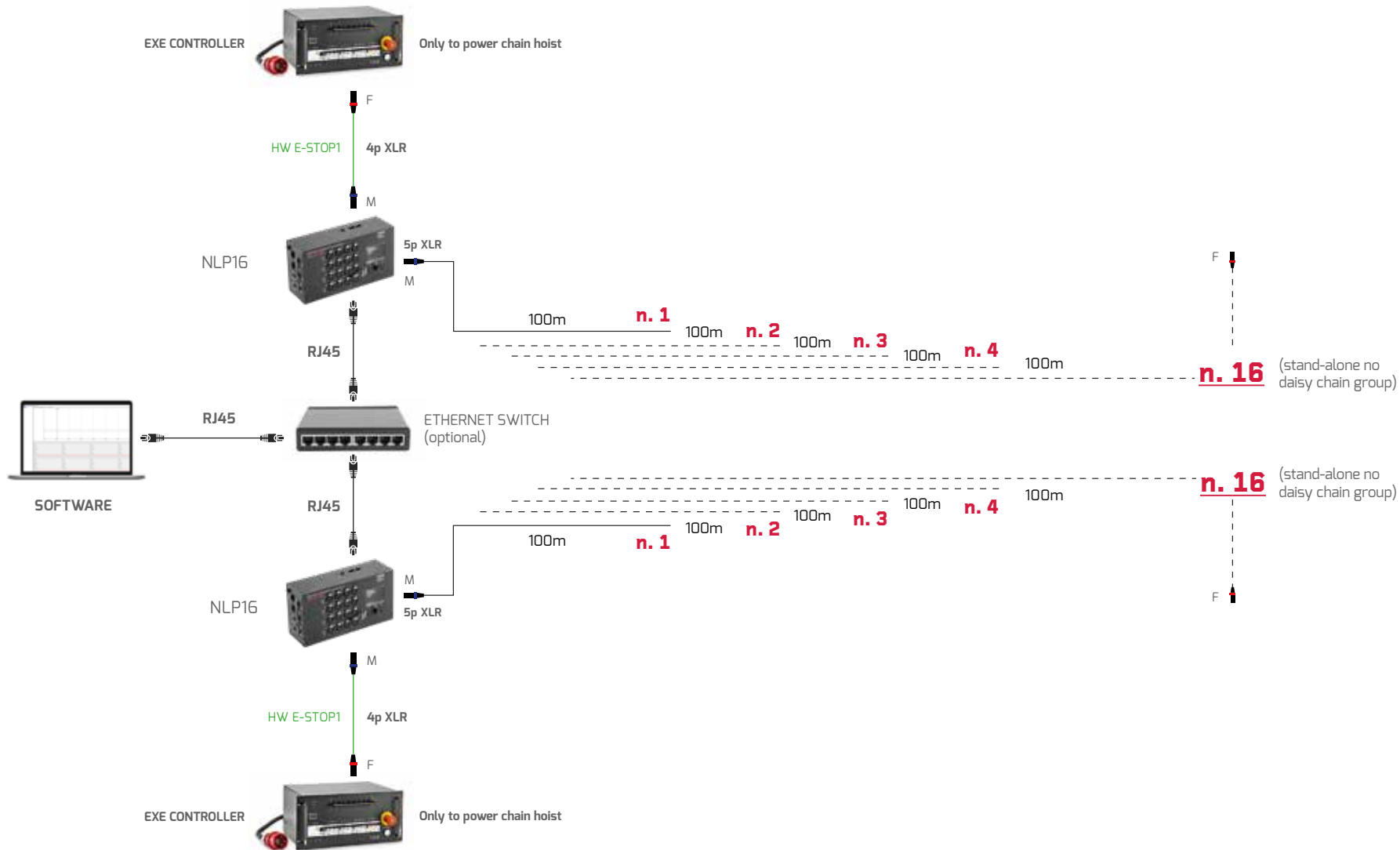
1x powerCON TRUE1
Power link through

E-STOP 1
DL Controller Connection



LC-NLP SOFTWARE

- Highly reliable and user-friendly software included with the NLP16 package.
- Enables configuration of maximum (overload) and minimum (underload) load limits for each cell.
- Allows setting of additional warning levels for maximum and minimum load thresholds.



LOAD CELL TYPE



DYNACELL



H-CELL



HOOK & PANEL

CHAIN HOIST BODY SIZE (EXE)		MED. COMPACT MED. ULTRA COMP.	MEDIUM	LARGE 1 REEVE	LARGE 2 REEVES	EXTRA LARGE 1 REEVE	EXTRA LARGE 1 REEVE	EXTRA LARGE 2 REEVES	EXTRA LARGE 2 REEVES
WORKING LOAD LIMIT (WLL)		250 / 350 kg	500 kg	1000 kg	2000 kg	2000 kg	2500 kg	4000 kg	5000 kg
       	LC-DY050B	✓	✓	✗	✗	✗	✗	✗	✗
	LC-DY500H	✓	✓	✓	✓	✓	✓	✓	✓
	LC-HC325H	✓	✓	✓	✓	✓	✓	✗	✗
	LC-H1T*	✓	✓	✗	✗	✗	✗	✗	✗
	LC-H2T*	✗	✗	✓	✗	✗	✗	✗	✗
	LC-H2TR*	✗	✗	✗	✓	✗	✗	✗	✗
	LC-LLB2000*	✓	✓	✓	✓	✗	✗	✗	✗
	LC-HP5T*	✗	✗	✗	✗	✓	✓	on demand	on demand



ACH0B07 Mandatory into the chain hoist only when equipped with LC-NLP model load cell hook / delta plate cell pin



EXE Flexa, the wireless world

From the experience of wired cells, an entire range of wireless devices has emerged. Now, Flexa Sensors is fully part of the large EXE family, giving a further boost to technological innovation in the field of load handling and control in absolute safety.

EXE Flexa features standalone wireless load cells or integrated ones on hoists. It is based on two distinct platforms with two different communication protocols.





02

EXE FLEXA WIRELESS LOAD CELL SYSTEMS

REAL-TIME

The Real-Time line is more suitable for managing up to a hundred of wireless cells. The system needs a local PC connected to a Gateway. Data are updated every second.

DYNAMIC

With the Dynamic system, users have the ability to dynamically adjust various parameters through the portal. Additionally, a single PCB is utilized across all models and frequencies, optimizing both efficiency and flexibility in operation.



Real-Time Wireless Load Cells

LOAD CELL



DynaCell
0.5t - 5t



H-Cell
3.25t



Shackle
4.75t



Swivel - Fixed
Cell Hook



Wireless
Cell Panel



GATEWAY



REPEATER



USB

SOFTWARE



Dynamic Wireless Load Cells

LOAD CELL



DynaCell
0.5t - 5t



H-Cell
3.25t



Shackle
4.75t



Swivel - Fixed
Cell Hook



Wireless
Cell Panel



GATEWAY



CLOUD

SOFTWARE



DYNACELL

The DynaCell FW-CDY series enhances the EXE Flexa control eco-system with its ultra-compact, versatile design and advanced wireless load cell sensors, featuring an 8:1 safety factor for reliability and durability, as well as an IP65 rating for dust and water resistance.

Hole Center Distance: 12 cm, ensuring compatibility and ease of installation.

**DYNACELL 0.5t****FW-CDY050B WLL 0.5t**

- Lightweight aluminum with black anodized finish.
- Weighs only 300g for easy handling.
- Safety Factor 8:1.

**DYNACELL 5t****FW-CDY500H WLL 5t**

- High-strength stainless steel.
- Weighs 980g, balancing strength and manageability.
- Safety Factor 8:1.

The DynaCell series combines style, ergonomics, and performance, making it a reliable choice for wireless load monitoring in various applications.

**MAGNETIC KEY**
FW-UMK

The EXE FLEXA H-Cell features a new design that reduces height loss while preserving space for data reading and electronics, combining DynaCell's precision with the practicality of a shackle and room for a 1t motor hook. The EXE FLEXA SHACKLE model redefines the standard for wireless shackle load cells, combining advanced technology with robust design for maximum safety and reliability.

**H-CELL 3.25t****FW-CHC325H WLL 3.25t**

- Body and pins made of high-strength stainless steel.
- Integrated double thread pins for enhanced safety.
- Safety Factor 10:1.

**SHACKLE 4.75t****FW-CSH475B WLL 4.75t**

- Made with superior quality and performance shackles.
- Robust design with advanced features, perfect for challenging rigging tasks.
- Safety Factor 6:1.



To ensure **high IP protection**, the cells are not equipped with external mechanical switches. Instead, a magnetic key provided with the cells can activate a magnetic switch, which is turned on or off by placing the key close to the cell's cylindrical cap (for Real-Time and Dynamic lines only).

CELL HOOK & PANEL

CELL BODY HOOK



SWIVEL CELL HOOK

LC-H1T WLL 0.5t
LC-H2T WLL 1t
LC-H2TR WLL 2t

Integrated load cell in the swivel hook plate for EXE chain hoists, up to 2000kg, medium & large frame. Simple upgrade from standard hooks.



FIXED CELL HOOK

LC-LLB2000 WLL 2t

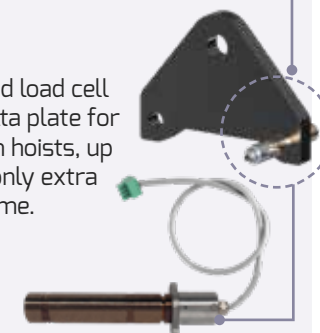
Integrated load cell in the fixed lifting lug bracket for EXE chain hoists, up to 2000kg, medium and large frame.



DELTA PLATE CELL PIN

LC-HP5T WLL 2.5t

Integrated load cell in the delta plate for EXE chain hoists, up to 2.5t, only extra large frame.



CELL PANEL



WIRELESS CELL PANEL

FW-HKT

- Wireless calibration for easy setup without dismounting the hoist.
- Compact, robust design with tamper-proof antenna and magnetic On/Off switch.
- Smart battery system with four C batteries, tool-free access, and power-saving transmission.
- LED status indicator for clear load monitoring.

EXE CHAIN HOIST WIRELESS CELL PANEL COMPATIBILITY



MEDIUM FRAME
MEDIUM FRAME COMPACT
FW-HKTM



LARGE FRAME
FW-HKTL



EXTRA LARGE FRAME
FW-HKTX



GATEWAY FW-CGW

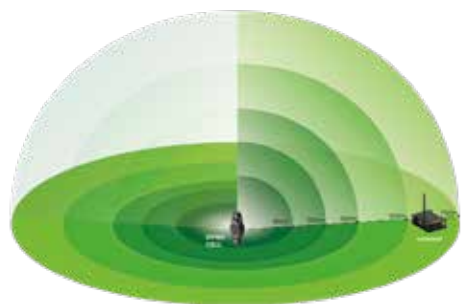
- Crafted from lightweight, durable aluminum.
- Optimized for strength and easy maneuverability.
- Efficiently handles moderate to heavy loads.



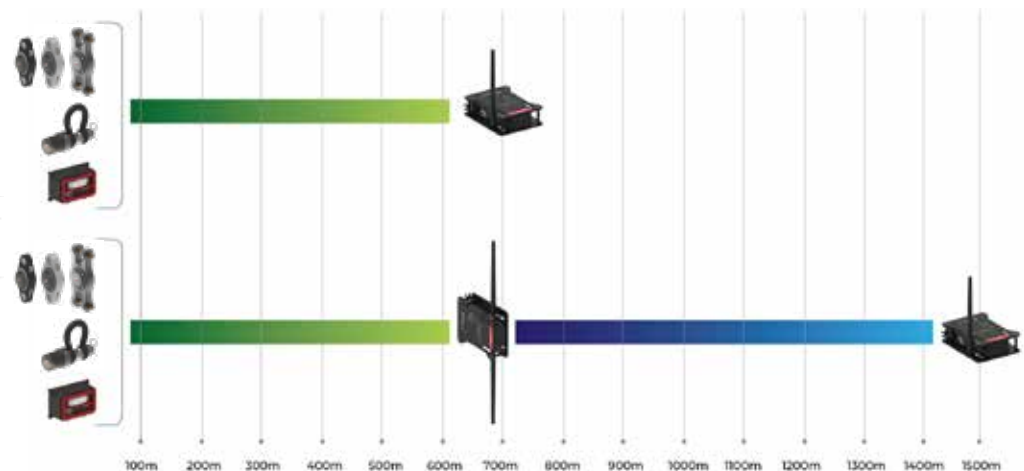
REPEATER FW-CRP

- Placed between the cell area and gateway to solve signal propagation issues.
- Range up to 700m in line-of-sight, depending on environmental conditions.
- Supports up to 5 repeaters managed by a single gateway.

Under normal conditions, the gateway covers the working area, but repeaters are needed when the distance exceeds 500/600m or when obstacles must be bypassed using triangulation. The gateway must always be on to maintain connection with the load cells; if the cells don't find their active gateway, battery consumption increases. Each gateway has three power systems for PC connection independence. Environmental factors affect radio transmission, with range varying depending on obstacles. In typical use, the gateway connects directly to active cells, but repeaters may be required in critical signal conditions (up to five repeaters).



- up to 100m range with Walls / Heavy Obstacles
- up to 200m range with Medium Hurdles / Stage Structures
- up to 300m range with Light Hurdles (e.g. Trees)
- up to 500m range in Line of Sight
- up to 700m range Line of Sight in Open Field



REAL-TIME SOFTWARE

Flexa Control software manages cells and parameters, organizing information by Event, Sectors, and Zones. Each zone contains cells, and for each cell, details like load, history, load charts, battery charge, and signal quality are available. Each sector, zone, or cell has its own interface page, which can be opened individually or simultaneously across multiple screens. The PC must be connected to the Gateway via USB to view data, otherwise, information will be lost. The gateway should stay on to maintain the network. The software is compatible with Microsoft Windows and Apple macOS.



TRY OUR SOFTWARE EVEN WITHOUT HAVING THE CELLS

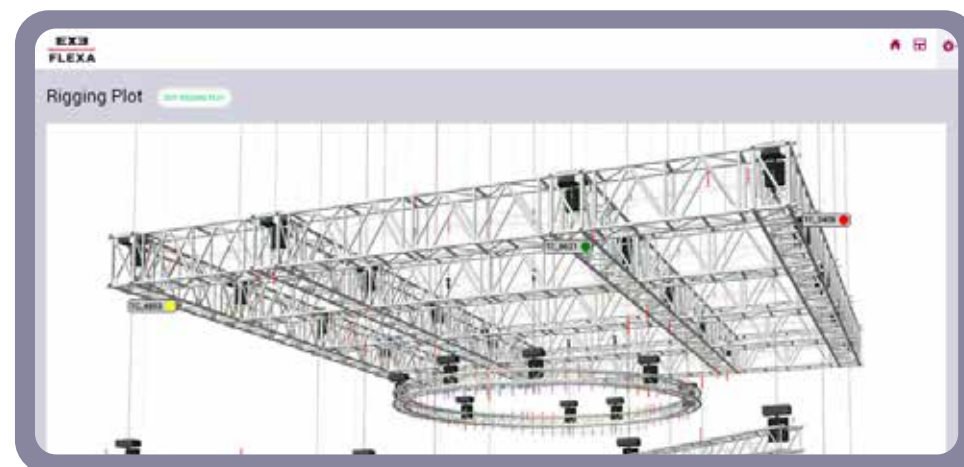
The software includes a test mode to simulate operations with virtual cells, allowing you to create events, sectors, and zones, and simulate load readings based on your set limits.

DRAG & DROP ON YOUR RIGGING PLOT

The updated Flexa Control software (March 2023) allows manual placement of cells on a rigging plot for immediate visibility of cell position, load, and load status indicators.



Download the latest software at:
www.exetechnology.com/download/software



LOAD CELL



DynaCell
0.5t - 5t

H-Cell
3.25t

Shackle
4.75t



Swivel - Fixed
Cell Hook



Wireless
Cell Panel



WIRELESS

GATEWAY



REPEATER
(OPTIONAL)



USB

SOFTWARE



EXE CHAIN HOIST BODY SIZE (D8+)		MEDIUM COMPACT / MEDIUM FRAME	LARGE FRAME 1 REEVE	LARGE FRAME 2 REEVES	EXTRA LARGE FRAME	EXTRA LARGE FRAME
WORKING LOAD LIMIT (SF 8:1)		250 / 500 kg	1000 kg	2000 kg	2000 / 2500 kg	4000 / 5000 kg
STAND ALONE LOAD CELL	 FW-CDY050B	✓	✗	✗	✗	✗
	 FW-CDY500H	✓	✓	✓	✓	✓
	 FW-CHC325H	✓	✓	✓	✓	✗
	 FW-CSH475B	✓	✓	✓	✓	✓ / ✗

EXE CHAIN HOIST BODY SIZE (D8+)		MEDIUM COMPACT / MEDIUM FRAME	LARGE FRAME 1 REEVE	LARGE FRAME 2 REEVES	EXTRA LARGE FRAME	EXTRA LARGE FRAME
WORKING LOAD LIMIT (SF 8:1)		250 / 500 kg	1000 kg	2000 kg	2000 / 2500 kg	4000 / 5000 kg
SYSTEM LOAD CELL	 FW-HKTM	 LC-H1T  LC-LLB2000	✗	✗	✗	✗
	 FW-HKTL	✗	 LC-H2T  LC-LLB2000	 LC-H2TR  LC-LLB2000	✗	✗
	 FW-HKTX	✗	✗	✗	 LC-HP5T	ON DEMAND



EX3
FLEXA

Tx to cell
Rx from cell
Charging
Power

Control Line Wireless Load Cell System
EXC G100HD
Heavy Duty Long Range Gateway

GATEWAY

EX3
FLEXA

Tx to gateway
Rx from gateway
Tx to cell
Rx from cell
Charging
Power

Control Line Wireless Load Cell System
EXC R100HD
Heavy Duty Long Range Repeater

REPEATER

The DynaCell FW-DDY series features an ultra-compact, versatile design and advanced wireless load cell sensors. Designed for reliability and durability, it offers an 8:1 safety factor and IP65 protection against dust and water. With a 12 cm hole center distance, it ensures easy installation and broad compatibility.



DYNACELL 0.5t

FW-DDY050B WLL 0.5t

- Made of lightweight aluminium with a sleek black anodised finish, this model is ideal for scenarios requiring minimal weight.
- Weighs only 300g, making it easy to handle and transport.
- Safety Factor 8:1.



DYNACELL 5t

FW-DDY500H WLL 5t

- Constructed from durable stainless steel with a refined matte, sandblasted finish, this model is designed for demanding environments.
- Weighs 980g, offering robust performance while maintaining manageability.
- Safety Factor 8:1.

The DynaCell series combines style, ergonomics, and performance, making it a reliable choice for wireless load monitoring in various applications.



MAGNETIC KEY

FW-UMK

The EXE FLEXA H-Cell features a new design that reduces height loss while preserving space for data reading and electronics, combining DynaCell's precision with the practicality of a shackle and room for a 1t motor hook. The EXE FLEXA SHACKLE model redefines the standard for wireless shackle load cells, combining advanced technology with robust design for maximum safety and reliability.

**H-CELL 3.25t****FW-DHC325H WLL 3.25t**

- Body and pins made of high-strength stainless steel.
- Integrated double thread pins for enhanced safety.
- Safety Factor 10:1.

**SHACKLE 4.75t****FW-DSH475B WLL 4.75t**

- Made with superior quality and performance shackles.
- Robust design with advanced features, perfect for challenging rigging tasks.
- Safety Factor 6:1.

To ensure **high IP protection**, the cells are not equipped with external mechanical switches. Instead, a magnetic key provided with the cells can activate a magnetic switch, which is turned on or off by placing the key close to the cell's cylindrical cap (for Real-Time and Dynamic lines only).

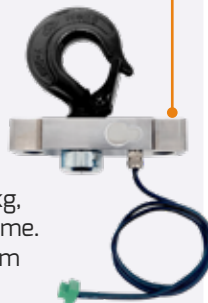


CELL BODY HOOK

SWIVEL CELL HOOK

LC-H1T **WLL 0.5t**
 LC-H2T **WLL 1t**
 LC-H2TR **WLL 2t**

Integrated load cell in the swivel hook plate for EXE chain hoists, up to 2000kg, medium & large frame. Simple upgrade from standard hooks.


FIXED CELL HOOK

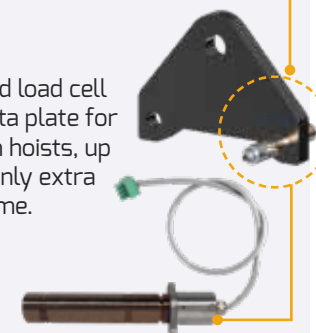
LC-LLB2000 **WLL 2t**

Integrated load cell in the fixed lifting lug bracket for EXE chain hoists, up to 2000kg, medium and large frame.


DELTA PLATE CELL PIN

LC-HP5T **WLL 2.5t**

Integrated load cell in the delta plate for EXE chain hoists, up to 2.5t, only extra large frame.


CELL PANEL

WIRELESS CELL PANEL

FW-HKTD

- Wireless calibration for easy setup without dismounting the hoist.
- Compact, robust design with tamper-proof antenna and magnetic On/Off switch.
- Smart battery system with four C batteries, tool-free access, and power-saving transmission.
- LED status indicator for clear load monitoring.

EXE CHAIN HOIST WIRELESS CELL PANEL COMPATIBILITY


MEDIUM FRAME
MEDIUM FRAME COMPACT
FW-HKTDH



LARGE FRAME
FW-HKTDL



EXTRA LARGE FRAME
FW-HKTDX



GATEWAY OUTDOOR

FW-MGWO

With its robust aluminum housing and high-quality waterproof components and connectors, it achieves an IP67 rating, ensuring maximum protection against dust and water.

Designed to operate across a wide range of industrial temperatures, it is ideal for even the most challenging environments. Its durability and versatility are key factors behind its widespread success in the market.

- Delivers reliable, low-power, wide-area connectivity for M2M and IoT applications.
- Pre-installed, globally ready SIM card included.
- Micro SIM 3FF slot available for personal SIM use.
- High-performance base station for both outdoor and challenging indoor environments.

IP67



Waterproof case



Modem 2G
3G/4G LTE



Cortex-A7
629MHz



PoE 42-60V
or 12-24V



ChipSIM
MFF Slot



-40 to +85 °C
10%-95% H



MicroSIM
3FF Slot



RS-485



RAM
512Mb



4Gb
eMMC

GATEWAY PLACEMENT AND ANTENNA SELECTION: EFFECTIVE SIGNAL COVERAGE

To ensure optimal signal coverage, it is essential to have a floor plan of the installation area. This will allow us to accurately determine the ideal positioning of the gateways and assess whether additional antennas are needed to enhance connection quality.

Depending on the layout of the environment and potential interferences, we may recommend the use of directional antennas, which focus the signal in a specific direction, or omnidirectional antennas, which provide 360-degree coverage.

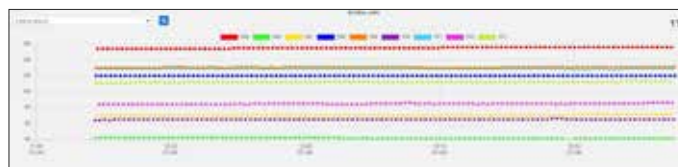
For further information or technical support, please do not hesitate to contact us or visit our website at www.exetechnology.com





USER INTERFACE: SIMPLE INTUITIVE, DESIGNED FOR BIG DATA

- EXE Flexa Dynamic offers a user interface designed for large-scale management, ideal for trade shows, multi-room conferences, or monitoring distant sites.
- Controls from a single cell to hundreds of sensor groups with just a few clicks.
- Historical data backups, organized by cell or location, are available in the cloud or downloadable as CSV files.
- Load thresholds (“normal,” “overload,” and “dangerous”) are displayed using color-coded histograms for quick anomaly detection.
- The “CALL ME” feature triggers an LED signal in the selected cell, helping personnel quickly locate installations when needed.



LOAD CELL



DynaCell
0.5t - 5t

H-Cell
3.25t

Shackle
4.75t



Swivel - Fixed
Cell Hook



Wireless
Cell Panel



WIRELESS



GATEWAY



CLOUD



SOFTWARE

EXE CHAIN HOIST BODY SIZE (D8+)		MEDIUM COMPACT / MEDIUM FRAME	LARGE FRAME 1 REEVE	LARGE FRAME 2 REEVES	EXTRA LARGE FRAME	EXTRA LARGE FRAME
WORKING LOAD LIMIT (SF 8:1)		250 / 500 kg	1000 kg	2000 kg	2000 / 2500 kg	4000 / 5000 kg
STAND ALONE LOAD CELL	 FW-DDY050B	✓	✗	✗	✗	✗
	 FW-DDY500H	✓	✓	✓	✓	✓
	 FW-DHC325H	✓	✓	✓	✓	✗
	 FW-DSH475B	✓	✓	✓	✓	✓ / ✗

EXE CHAIN HOIST BODY SIZE (D8+)		MEDIUM COMPACT / MEDIUM FRAME	LARGE FRAME 1 REEVE	LARGE FRAME 2 REEVES	EXTRA LARGE FRAME	EXTRA LARGE FRAME
WORKING LOAD LIMIT (SF 8:1)		250 / 500 kg	1000 kg	2000 kg	2000 / 2500 kg	4000 / 5000 kg
SYSTEM LOAD CELL	 FW-HKTDM	 LC-H1T  LC-LLB2000	✗	✗	✗	✗
	 FW-HKTDL	✗	 LC-H2T  LC-LLB2000	 LC-H2TR  LC-LLB2000	✗	✗
	 FW-HKTDX	✗	✗	✗	 LC-HP5T	ON DEMAND



EX3
CELL

EX3
FLEXA

ACCESSORIES

CARRYING CASE

Every professional in this industry must find a way to transport, store, and protect load cells and other devices. We have partnered with the manufacturers of the best hard cases in the world and selected a dedicated line of hard cases and customised interiors **to completely protect the equipment** against dust, water, shocks, and chemical corrosion.



FW-SC26K06B **CARRYING CASE KIT 6**

- 6 Shackle / 6 DynaCell.
- 1 Gateway & 1 Repeater Real-Time.
- 1 Magnetic Key.
- Also available as a Trolley Case **FW-SC26W06B**.



FW-SC26K10B **CARRYING CASE KIT 10**

- 10 Shackle / 10 DynaCell.
- 1 Gateway & 1 Repeater Real-Time.
- 1 Magnetic Key.
- Also available as a Trolley Case **FW-SC26W10B**.



FW-SC2100B **CARRYING CASE**

- 1 Load Cell.



FW-SC2300B **CARRYING CASE**

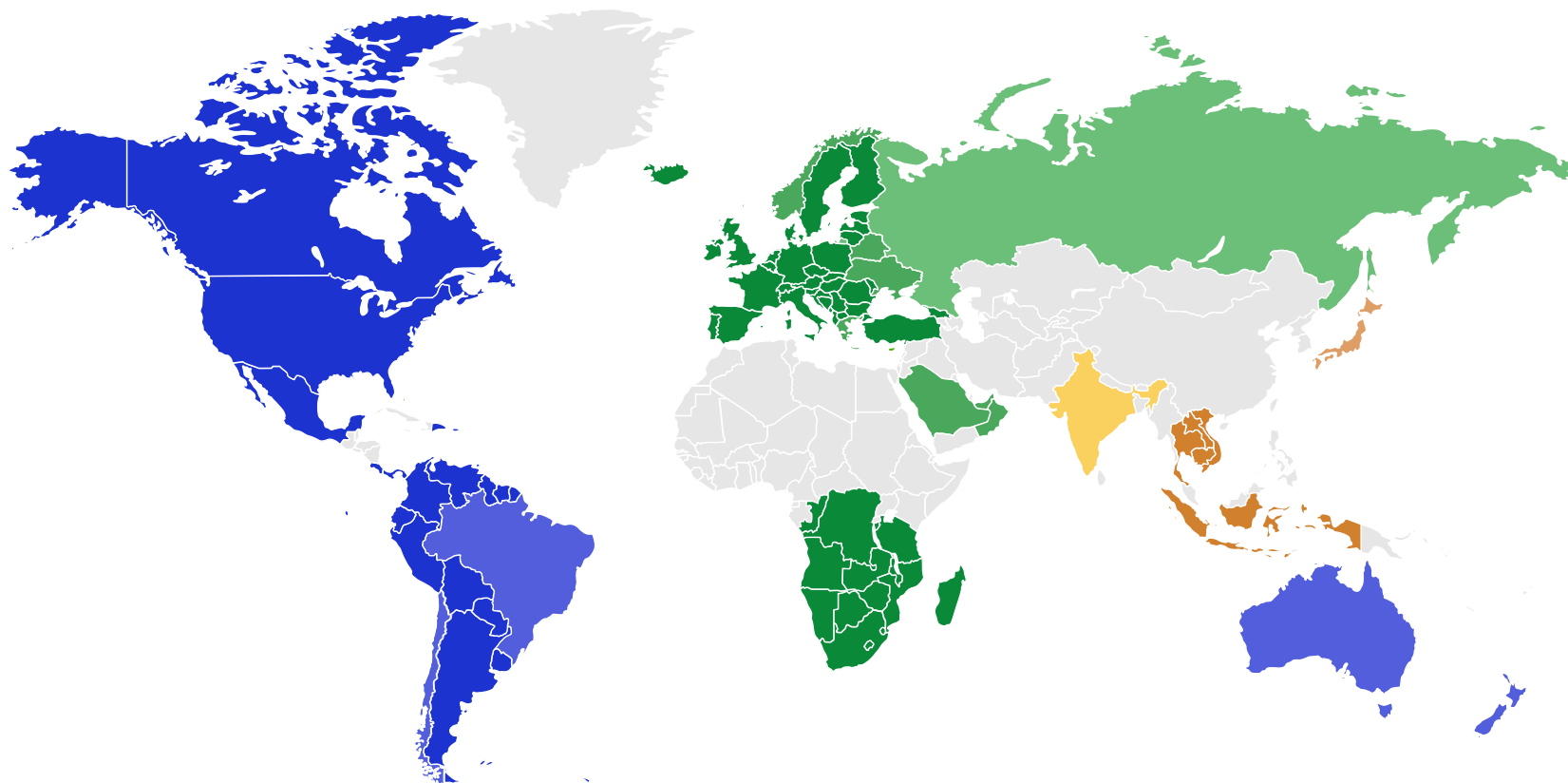
- 1 Gateway or 1 Repeater Real-Time.



FW-SC26K12B **CARRYING CASE KIT 12**

- 12 Shackle / 12 DynaCell.
- 1 Gateway & 1 Repeater Real-Time.
- 1 Magnetic Key.
- Also available as a Trolley Case **FW-SC26W12B**.





Our operations on Sub-1GHz frequencies are subject to regulation in accordance with local laws across various global regions. We are dedicated to standardizing our radio modules and incorporating firmware updates to ensure compatibility, even in regions necessitating adjustments to adhere to local legislation. The map shows the breakdown of frequency distribution across different areas of the globe. For additional information, please visit www.thethingsnetwork.org.

868MHz



915MHz



865-867MHz



922-925MHz



Comparison Chart

	EXE CELL LC-PRO	EXE CELL LC-NLP	EXE FLEXA Real-Time	EXE FLEXA Dynamic
Data refresh period	Instant	Instant	1 Second	Dynamically variable min. 1s
Data management platform	LC-PRO NCB32 Module	LC-NLP 16 Module	Local PC	Cloud
Load Cell connection to Gateway	WIRED CNLinko 7 PIN	WIRED XLR Cable 5 PIN	Wireless	Wireless
Gateway connection to platform	Ethernet Cable	Ethernet Cable	USB Cable	Internet
Frequency [MHz]	--	--	865-867, 868, 915, 922-925	865-867, 868, 915, 922-925
Network protocol	Proprietary	Proprietary	Proprietary	Proprietary
Manual calibration of radio channel	No	No	No	No
Internet connection required	No	No	No	Yes / No
Concurrent data access from multiple devices	No	No	No	Yes
Remote monitoring	No	No	No	Yes
Max number of Cells per Gateway	--	--	100**	1000**
Max number of Gateways per System	--	--	3	∞
Max number of Repeaters per System	--	--	2	not needed
Max number of Cells per LC-NCB32Module	32	--	--	--
Max number of LC-NCB32 Module per System	--*	--	--	--
Max number of Cells per LC-NLP16 Module	--	16	--	--
Max number of LC-NLP16 Module per System	--	2	--	--
Max number of Cells per System	--*	32	100**	Thousands**
User friendly platform	Yes	Yes	Yes	Yes
Drag & Drop interface	No	No	Yes	Yes
Management fees	No	No	No	Yes

*Please refer to your local EXE Technology representative for more information.

**Depends on the installation area.



PHOTO CREDITS

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<https://studiopointer.com>

IMVISION S.R.L.
www.imvision.it

THE.STUDIO.ROCKS





TECHNOLOGY
TOMORROW INVENTED
FOR YOUR SHOW

EX3
CELL

○ LC-PRO

✱ LC-NLP

EX3
FLEXA

Real-Time

Dynamic

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