



Model Reference: HKTM

Order code: LT XFW-HKTM

## WIRELESS CHAIN HOIST LOAD CELL TRANSRECEIVER ASSEMBLY FOR EXE RISE MEDIUM FRAME CHAIN HOIST

*Transreceiver module as an alternative to wired systems. This offers maximum freedom in handling hoists, covering distances up to 600 meters from the Gateway. The need for live load monitoring and reporting is increasing in all industries to provide a safer working environment. The Transreceiver module is fully compatible with all Flexa Control Line devices.*

### Versions available

#### Wireless Chain Hoist Load Cell for EXE RISE Medium Frame

LT XFW-HKTM	EXE RISE CHAIN HOIST MEDIUM FRAME COVER WITH BUILT IN TRANSCEIVER + BATTERY COMPARTMENT - N. 4 PIECES BATTERY TYPE "C" 1,5 VOLTS NOT INCLUDED
LT XRS-0145	EXTENSION RING FOR MEDIUM FRAME BODY, MANDATORY WHEN MOUNTING THE EXE CELL FXA ON THE CHAIN HOIST
LT XDLC-HIT	EXE LOAD CELL PRO FOR MEDIUM FRAME CHAIN HOIST - HOOK + CELL LOAD CAPACITY 1 TON

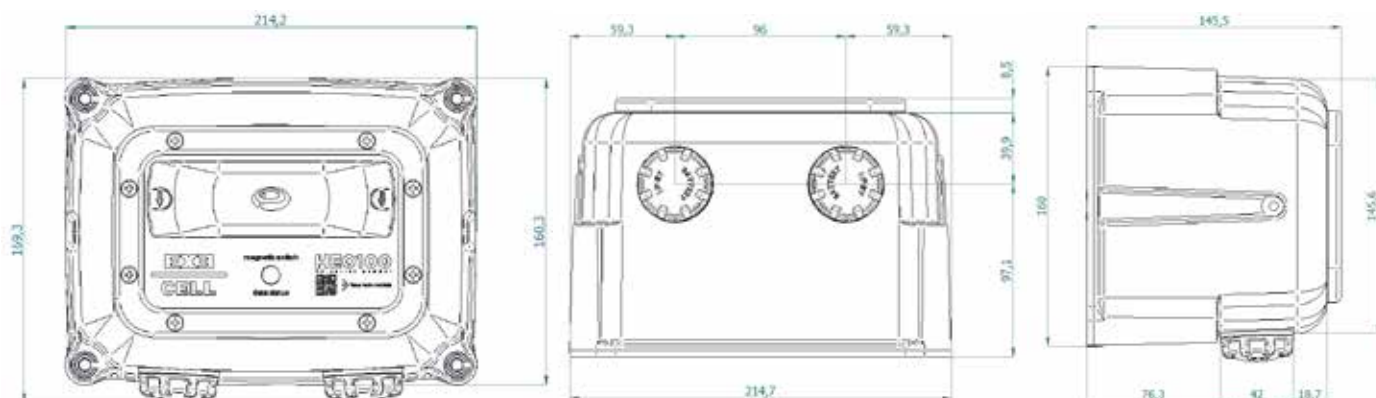
#### Wireless Chain Hoist Load Cell for EXE RISE Large Frame

LT XFW-HKTL	EXE RISE CHAIN HOIST LARGE FRAME COVER WITH BUILT IN TRANSCEIVER + BATTERY COMPARTMENT - N. 4 PIECES BATTERY TYPE "C" 1,5 VOLTS NOT INCLUDED
LT XDLC-H2T	EXE LOAD CELL PRO FOR LARGE FRAME CHAIN HOIST - HOOK + CELL LOAD CAPACITY 2,5 TON

#### Wireless Chain Hoist Load Cell for EXE RISE Extra Large Frame

LT XFW-HKTX	EXE RISE CHAIN HOIST EXTRA LARGE FRAME COVER WITH BUILT IN TRANSCEIVER + BATTERY COMPARTMENT - N. 4 PIECES BATTERY TYPE "C" 1,5 VOLTS NOT INCLUDED
LT XDLC-HP5T	EXE LOAD CELL PRO FOR EXTRA LARGEFRAME CHAIN HOIST - HOOK + CELL LOAD CAPACITY 5 TON

### Cover dimensions [mm]



## Main body

### Chain Hoist Supplier

WLL  
Safety Factor  
Chain Hoist Specifications

Area Four Industries Italia Srl (IT)  
Up to 1000kg depending on the configurations  
From 5:1 to 10:1 depending on the configurations  
Please contact: [info@exetechnology.com](mailto:info@exetechnology.com)

## Electronics

Load measurement	Every Second
Maximum Transmission Rate	Every Second - According to the load status
Optimized Transmission Rate	(when the load stabilizes, the rate decreases)
Radio frequency ①	Sub-1GHz
Range (cell / gateway) ②	Up to 600m - in line of sight, unobstructed (longer distances using Repeater)
Data acquisition system	Gateway Flexa Control Line
Data managment and GUI	Flexa Control Software on PC connected to Gateway
Batteries	4 x Type C Batteries
Expected battery life ③	15000/20000
Reverse polarity protection circuit	Yes

① Sub - 1GHz - 868MHz for EMEA version, 915MHz for American version (more details and complete list of countries on [www.flexasensors.com](http://www.flexasensors.com))

② See next page

③ The duration of the batteries strongly depends on how often the data are transmitted.

## List of Parts



EXE RISE MEDIUM FRAME  
CHAIN HOIST

+



EXE LOAD CELL HOOK

+








EXE COVER WITH BUILT IN  
TRANSCEIVER

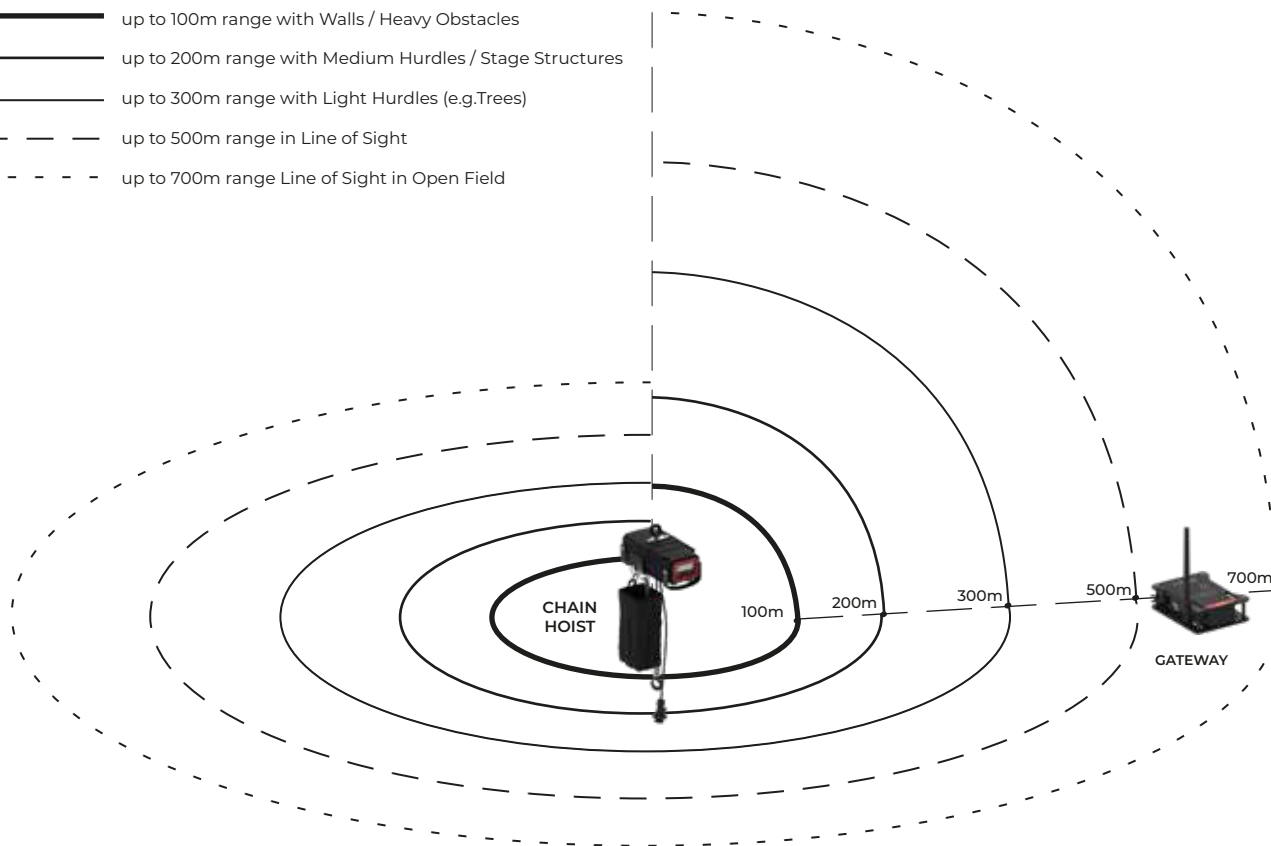
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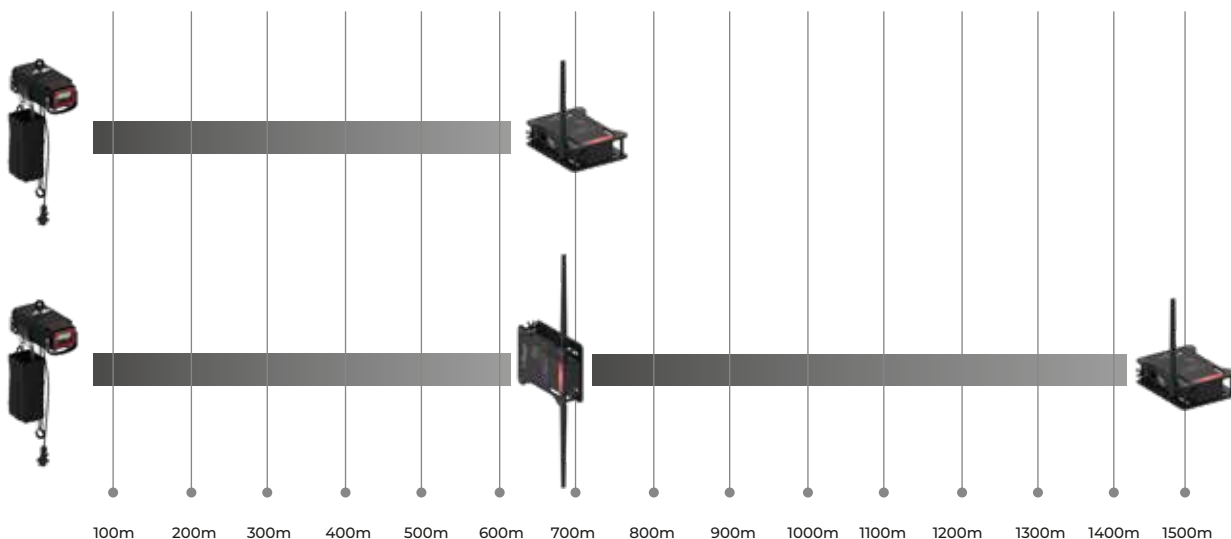
FLEXA MAGNETIC KEY

**Range**

-  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



The maximum range of any wireless system depends on the propagation conditions. If the propagation between the Chain Hoists and the Gateway is in line of sight, the maximum range achievable with our system is about 600 meters. In the graph we have simulated the limitations due to various types of obstacles. Data are taken from field tests and theoretical calculations and are intended for guidance. Actual performance will be determined by site conditions.



In case it is necessary to cover longer distances or there are large obstacles to overcome, it is possible to add Repeaters, which can be located as far as 600 meters from the cells and 700 meters from the Gateway. It is not possible to connect multiple Repeaters in series: each Repeater needs a direct connection to the Gateway.

The data sheet shown may vary without notice. Please visit our website for any updates  
[www.flexasensors.com](http://www.flexasensors.com) - [www.exetechnology.com](http://www.exetechnology.com)

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