

XLNT CYBERHOIST DIGITAL LOADCELL

High precision loadcell for CyberHoist
Integrated design, requires no
external cabling or hardware

OVERVIEW

The XLNT CyberHoist CH 250, CH 500 or CH 1000 can now be supplied with an optional integrated high accuracy digital loadcell, the XLNT Cyberhoist Digital Loadcell.

This Digital Loadcell is integrated into a newly designed hook, replacing the standard CyberHoist hook. The Loadcell measures the exact weight in kilograms (kg) and communicates this to the CyberHoist for immediate processing and safety verification; the data is also sent by ethernet to the InMotion3D operating system for real time monitoring.

This option provides a unique new set of features for CyberHoist. It offers the user direct access to load information and is used to set underload and overload limits in XLNT InMotion3D CyberHoist software, resulting in a safer environment for the audience, technicians and performers.

The nominal load for each CyberHoist is set by the operator in 'Object Info' using the button 'Set Nominal Load'. A default under- or over-load safety limit can be defined in each CyberHoist setup. When an individual CyberHoist measures under- or over-load, it will immediately stop the movement of itself and all the other CyberHoists connected to the same object, if it exceeds these safety limits.

When a CyberHoist reaches the over- or under-load limit for a predetermined amount of time (default 2 seconds) the object will also be forced to stop.

Since the CyberHoists are connected to objects and communicate to each other, only the affected object (and no other object) will immediately stop, without requiring any further action.



InMotion3D software and the CyberHoist intelligent motor system from XLNT Advanced Technologies make motion control a truly creative process. Tiny or huge loads can be moved with millimetre perfection, from imperceptibly slow to breathtakingly fast speeds. And fast 3D object oriented programming means you can be flying in minutes.

SPECIFICATIONS

Maximum load measurement	1,250 kg (2,755 lbs)
Safe working load	3,000 kg (6,614 lbs)
Breaking load	→ 15,000 kg (33,070 lbs)
Creep error	← 0.2 % (measured over 30 minutes)
Zero shift after loading	← 0.05 %
Reference temperature	23° C (73.4° F)
Temperature range	-10° C (14° F) to +45° C (113° F)
Accuracy	+/- 1 kg (2.2 lbs)

TECHNICAL DATA

XLNT Advanced Technologies

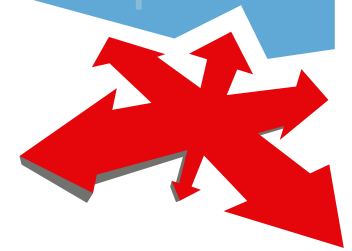
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CYBERHOIST
with **INMOTION3D**

