

# MSI Clamp on Load Sensor



## Elevating Safety with the MSI Clamp-On Load Cell Overhead Weighing's Best Kept Secret

### Why you Need a Clamp-on Load Cell

Clamp-on load cells are designed to be used with crane rigging, clevis and attachment overhead weighing applications. Easy integration with pre-existing systems makes clamp-on load cells ideal for operations currently using cranes, as well as crane manufacturers and original equipment distributors in overhead weighing industries.

Clamp-on load cells make a durable solution for measuring wire rope tension, providing dependable overload detection and prevention for overhead cranes and hoists. Each clamp-on load cell can be installed quickly and easily at the wire rope's dead end. After installation, the clamp-on system should be calibrated, as it is not possible to pre-calibrate. After the device's relay outputs have been terminated, the clamp-on system will be ready to protect operators—and the crane—from overloads.

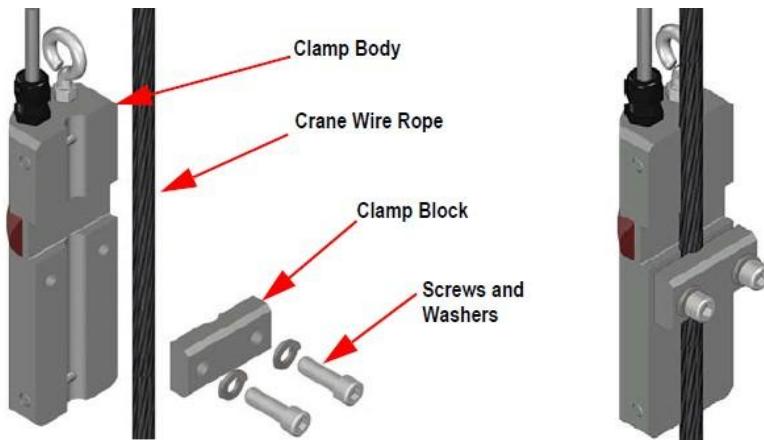
Integral signal cables can be connected to a variety of detection devices with Weight-based setpoints can be used to communicate with crane electronics providing operator alerts and safety shut-offs based on unsafe load conditions.

SCAN QR CODE FOR  
VIDEO DEMONSTRATION



## Installation

1. Loosen the screws to remove the clamp block.
2. Place the clamp body on the wire rope, ensure the cable is snug in the groove of the clamp body.
3. Place the clamp block on top of the cable, aligning it with the screw holes in the clamp.
4. Secure with screws, using Locktite, and torque to 20 ft/lb. The cable will be slightly depressed under the clamp block.
5. Attach a safety chain/cable to the eye bolt to prevent the clamp-on unit from falling should it come loose.



The MSI Clamp On Load Cell clamps to a wire rope at the dead end of a crane system, mainly used for overload detection. It is available in two sizes to accommodate cable sizes from 3/8" to 3/4".



The MSI-7000HD transmitter communicate with our MSI-8004 LED remote display interfaced to an audible alarm to provide operator alerts based on unsafe load conditions. The alarm works with the Clamp-On. Load Sensor using the remote display as a traffic light so Green when the weight is safe for operations and Red is unsafe.

The best solutions for all your  
Weighing requirements

**Phoenix**  
Scales Limited

**Phoenix Scales Ltd**

34 Oldbury Road, West Bromwich, B70 9ED

Email: [sales@phoenixscales.co.uk](mailto:sales@phoenixscales.co.uk)

Tel: +44 0121 520 9048