

Overload Limiter



Description

The Weight Overload Limiter consists of the sensor, computing amplifier, controlling actuator and load editor etc. It is equipped with display, controller and alarm device. When the crane lift items, the deformation of the sensor is converted into an electrical signal, which is amplified, and then the load weight is calculated. When the load weight reaches 90% of the rated weight, a warning signal is issued; When the load exceeds the rated, the power supply is cut off.

Advantages

- 1: It is widely used with all kinds of bridge cranes and gantry cranes.
- 2: Signal sensor inputs and signal group of relay contactor outputs.
- 3: Artificial circuit adjusts built-in potentiometer to set zero and demarcate.

Specification

The Overload Limiter receives the force from the crane when lifting materials, then feed backs to the instrument to collect, contrast, read and judge, and then displays current weight and indicates the corresponding state. When the load exceeds the rated weight, lifting circuit of crane hook will be cut off immediately to make the crane not lift, in order to protect crane and operator from being injured.

1. For 3 ~ 100t overhead crane and gantry crane
2. Complete sets: includes bearing seat sensor and monitoring instrument composition
3. Monitoring accuracy: Display error $\leq \pm 3\%$
Action error $\leq \pm 3\%$
Comprehensive error $\leq \pm 5\%$

Application

The Overload Limiter is fitted on the winch wire rope drum shaft for overload protection. It is widely used with all kinds of overhead cranes and gantry cranes.