WTZ-A20 Overload Limiter

hoisting weight limiter will be triggered, with the switching value output displayed. The whole system is composed of sensor, connecting cable, WTZ-A20 Overload Limiter is a smart weigh overload protector, which measures the changes of the weight of the loaded goods by a preset weight sensor and displays the actual load instantly on the display instrument. When the load reaches the given point of rated load, the acousto-optic alarm of the microcomputer host and so on. The device is designed and manufactured in accordance with requirements of GB 12602-2009 "Lifting Machinery Overload Protection Devices" and GB / T 3811-2008 "Crane Design Specification".
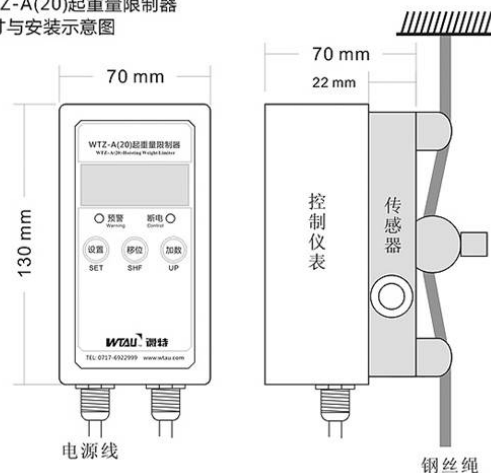
Feature description

◆ **real-time monitoring:** 0.56-inch high-brightness digital display, real-time display lifting weight and monitor the lifting safety.

◆ **sound and light alarm:** When the actual operating conditions parameters will reach the default limit when the instrument will issue sound and light alarm prompt, to achieve the default limit when the alarm will also output safety control signal to ensure the safety of construction.

◆ **integrated design :** instrument and sensor integrated, that is, cost savings and small and convenient.

◆ **anti-interference:** hardware and software on the external electromagnetic waves with strong anti-interference ability.

◆ **site free debugging:** In order to facilitate the installation, the components have been adjusted before the factory is good, the scene is generally no longer need to install the installation of debugging

◆ **anti-shake :** anti-shake delay function to greatly improve the input data input instrument.

◆ **automatic compensation function:** sensor "temperature drift" and "zero drift" can be automatically adjusted to compensate;

Technical data

1. size: 70*130*70mm
2. Working Condition: -20℃~+60℃
3. Relative Humidity : 95%(25℃)
4. IP Grade:IP65
5. Comprehensive error: ≤5%F.S.
6. Power Consumption: ＜30W
7. Action Error:≤±3%F.S.
8. Alarm volume: ＞60db
9. Power Supply: AC380V

WTZ-A200 Overload Limiter

WTZ-A200 type limiter from the weight SCM processing system developed by our company, motherboard modular structure, with good performance, high reliability, lightweight and convenient apparatus and so on.

Fully comply with the "lifting equipment overload protection device safety technical specifications GB12602-90" standard. Mainly applicable to 2-way weight monitoring of the crane, such as the main vice hook or double lifting point of the lifting equipment, double beam bridge cranes, lifts and other equipment.

WTZ-A200 for 2-way weight monitoring of the crane, such as the main vice hook or double lifting point of the lifting equipment, double beam bridge cranes, lifts and other equipment.

Feature description

◆ **real-time monitoring**: dual-window 8-bit 0.8-inch high-brightness digital display, while monitoring the weight of double hook; real-time monitoring and acquisition of lifting equipment, 2-way weight signal.

◆ **sound and light alarm:** When the actual operating conditions parameters will reach the default limit when the instrument will issue sound and light alarm prompt, to achieve the default limit when the alarm will also output safety control signal to ensure the safety of construction.

◆ **anti-interference:** hardware and software on the external electromagnetic waves with strong anti-interference ability.

◆ **full button operation:** home to change the crane to adjust the conditions easy

◆ **jitter delay :** anti-shake delay function to make the instrument input data greatly enhanced.

◆ **power-down protection:** sudden power failure data will not be lost. Can work for a long time.

◆ **Adaptation voltage:** the use of civil 220VAC and industrial 380VAC two specifications power input, site adaptability, while the control loop output node can be used 220VAC and 380VAC two.

◆ **wireless sensor:** support for wireless sensor devices.

◆ **can be an external large screen:** for the convenience of outdoor site construction workers to real-time understanding of the lifting device of the current load, you can also external large-size display.

◆ **more versatility :** to meet the needs of a variety of types of crane machinery to meet the various conditions of stepless alarm requirements. Applicable equipment more versatile. Configuration software design, more stable, more convenient selection by device operating system

◆**Faster and more reliable:** the motherboard core using self-developed MS51 microcontroller motherboard and its supporting standard I / O board, plus the corresponding signal conditioning module, the data acquisition and output control can be flexible changes. Better speed, higher accuracy, further improved reliability;

◆ **better scalability:** the instrument can be extended up to 4 relay control, can be reserved for RS485 and 4 ~ 20mA

WTZ-A200 type weight limiter parameter table			
Display screen	0.8 inch bright digital tube * 2	Measuring range	0T to 999.9T
System synthesis error	≤5% FS	Resolution	0.01T
Action error	≤ ± 3% FS	Power consumption	<30W
Ambient temperature	-20 ° C to 60 ° C	Alarm volume	> 60db
Environmental relative humidity	90% RH (20 ° C)	Operating Voltage	AC220V ± 10% (other custom)
IP rating	IP65	output signal	RS485, 4-20MA
Installation method	Wall-mounted	Control output	