

730(D)



730模拟及730D数字称重仪表,采用不锈钢外壳,适用于1-16只传感器的静态汽车衡系统.

产品特点

- 具有2种自动组网方式;
- 具有数字与传感器通讯加密功能
- 支持Modbus协议并可定制协议
- 具有文本信息可输入、可打印功能
- 具有恢复出厂设置功能
- 具有自动/手动角差调整功能
- 可自定义打印格式
- 具有超载记录及打印功能
- 全面配置EMC电磁兼容防护措施

产品技术参数

传感器接口

类型: 四线制传感器 或 六线制传感器
电源电压: 5V;
电源电流: 500mA;
输入灵敏度: -4mV/V ~ 4mV/V;
A/D转换进度: 24位;

显示

主屏7位7段数码管显示, 8个状态指示符, 辅屏采用液晶屏显示, 标定菜单显示屏。

时钟

可显示年、月、日、分、秒, 自动闰年月; 不受断电影响。

大屏幕显示接口

传输方式	串行输出方式
传输波特率	2400 (可设置)
传输距离	≤30米

串行通讯接口

传输方式	Rs232
波特率	600/1200/2400/4800/9600 可选
传输距离	RS232 ≤30米 ;

打印接口

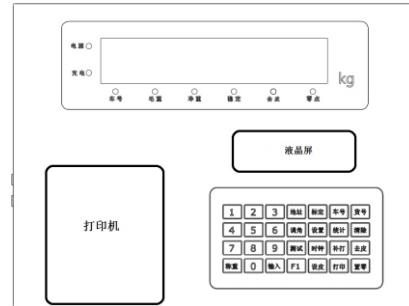
标准并行输出接口。

数据贮存

可贮存1000组车号皮重, 可贮存20000组称重记录。

使用环境

交流电源	AC220V (-15%~+10%) 50Hz (±2%)
直流电源	采用内置6V/4Ah蓄电池供电
使用温度	-10°C~40°C; 储运温度 -25°C~55°C
相对湿度	≤85%RH
预热时间	≤30分钟
保险丝	1A



外型尺寸 (mm) : 300×80×230 (L * W * H)

730 Analog and 730D digital weighing indicator, using stainless steel housing, applied in static truck scale with 1-16 pcs load cells

Specification

- With 2 automatic networking modes
- Has communication encryption during digital and load cell
- Support Modbus protocol and customized protocol
- With text input, printable function
- With factory reset function
- With automatic / manual angular difference adjustment
- Customizable print format
- With overload recording and printing function
- Comprehensive configuration of EMC electromagnetic protection measures

Technical parameters

Load cell interface:

Type: 4-wire load cell or 6-wire load cell
Power supply: 5V;
Supply current: 500mA;
Input sensitivity: -4mV/V ~ 4mV/V;
A/D conversion progress: 24 bits;

Display: 7-digit 7-segment digital display on the main screen, 8 status indicators, screen auxiliary screen, calibrated menu display.

Clock: display year, month, day, minute and second, and automatic leap year and month; not affected by power-off.

Scoreboard display interface:

Transmission method	Serial output mode
Transmission baud rate	2400 (settable)
Transmission distance	≤ 30 meters

Serial communication interface:

Transmission method	RS232
Baud rate	600/1200/2400/4800/9600 optional
Transmission distance	RS232 ≤ 30 meters;

Print interface: Standard parallel output interface.

Data storage: store 1000 sets of truck tare weight, and 20,000 sets of weighing records.

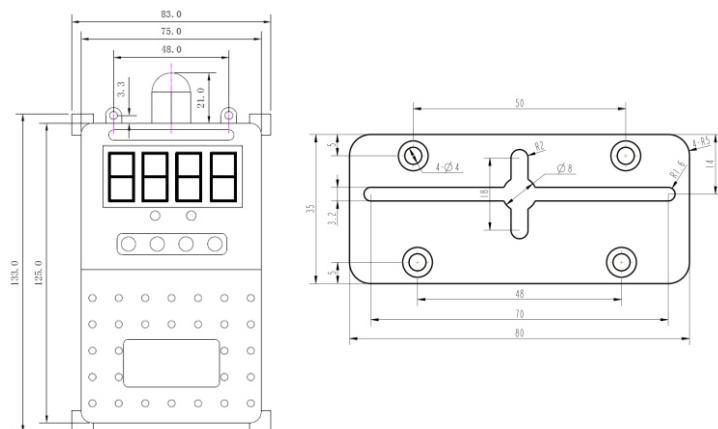
Operation environment:

AC power supply	AC220V (-15%~+10%) 50Hz (±2%)
DC power supply	with built-in 6V/4Ah battery
Operating temperature	-10 °C ~ 40 °C; Storage and transportation temperature -25 °C ~ 55 °C
Relative humidity	≤85%RH
Warm-up time	≤ 30 minutes
Fuse	1A



INP-A起重机重量限制器适用于钢丝绳葫 芦起重机、杂物梯、电梯、张力控制及相 关设备

INP-A Crane weight limiter applied to wire rope hoist, sundry, elevator, tension control and related equipment

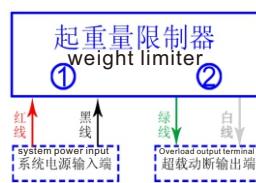


产品特点 Specification

- ◆ 专利外形，斜角度查看，安装简单方便。
Patent appearance, oblique angle checking, easy to install.
- ◆ 宽电压：110V-440V可接，完美解决使用环境电压不稳，比传统仪表更加稳定。
Wide voltage: 110V-440V, perfectly solve instable site voltage, more stable than traditional indicators.
- ◆ 测量精度：高精度ADC，控制器测量精度优于1%，优于传统模拟信号仪表。
Measurement Accuracy: high accuracy ADC, controller measurement accuracy better than 1%, superior to traditional analog signal indicators.
- ◆ 显示：4位数码管，00.00—99.99，可实现高精度称重。
Display: 4 digital tube, 00.00-99.99, can achieve the high accuracy weighing.
- ◆ 重量显示：按起重吊起的实际重量显示，起重行业分辨率达1kg
Weight display: according to the lifting hoist to display actual weight, the resolution ratio attaches to 10KG in crane industry.
- ◆ 一路继电器常闭触点(常开可选)切断或接通电路。
One way relay normally closed contact (NC/NO) for off- on circuit.
- ◆ 调试极为方便，实物标定，实现一键重量修正功能，调试简便。
Convenient to debugging, weight calibration, just push one button to correct all weight indication .

接线方式

Installation example



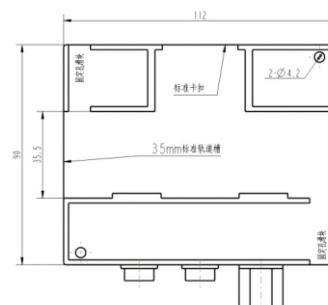
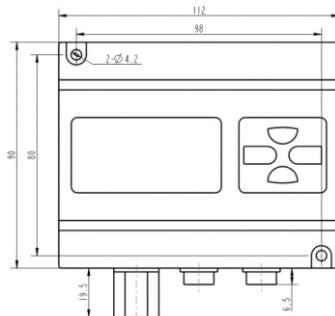
备注：

- (1) : 系统正常运行前请务必确认工作电源电压是否在AC110-440V/DC12-48V
(1) Before normal operation, please confirm the work volatage must be in the range of AC110-440V/DC12-48V
- (2) : 测定重量达到或超过设定的极限重量时继电器动作。
(2) Mensurate relay action when the weight reach or overload as seted.

产品技术参数

Technical parameters

项目Item	参数Parameter	项目Item	参数Parameter
显示方式Display mode	4位数码管显示4-digit Nixie tube display	报警输出Alarm output	AC250V/7A
工作电压Working voltage	AC110-440V/DC12-36V	安装方式Installation	挂式/传感器替换配件
工作温度Working temperature	-20~60°C	动作误差Action error	≤1%F. S
工作湿度Operating humidity	95%	蜂鸣器Buzzer	≥90dB
综合误差Comprehensive error	≤1%F. S		
过载预警Overload early warning	≥额定重量的95% (可设置)；继电器状态：线圈失电，常闭触点闭合；蜂鸣器状态：断续响 (1秒，间隔2秒) ≥ 95% of the rated weight (configurable); state of the relay: coil power-losing; closing of normally-closed contact; state of the buzzer: intermittent ringing (one second with two seconds interval)		
过载报警Overload alarm	≥额定重量的100%持续1秒断电 (可设置)；继电器状态：线圈得电，常闭触点断开；蜂鸣器状态：急促响2秒。 ≥ outage happens when 100% of the rated weight lasts one second (configurable); state of the relay: coil is powered, normally-closed contact is off; state of the buzzer: rapid ringing for two seconds.		
立即报警Instant alarm	≥额定重量的105% (立即断电) 继电器状态：线圈得电，常闭触点断开 ≥ at 105% of the rated weight (immediate outage); state of the relay: coil is powered, normally-closed contact is off		
解除报警Alarm relieve	当起吊物减少到额定重量以下时，解除报警。Alarm relieves when the lifted object is lighter than the rated weight.		

318-A

318-A起重量限制器，适用于施工升降机、电梯施工吊篮、起重机等重量控制，能在设备载重运行中提供声、光、电报警

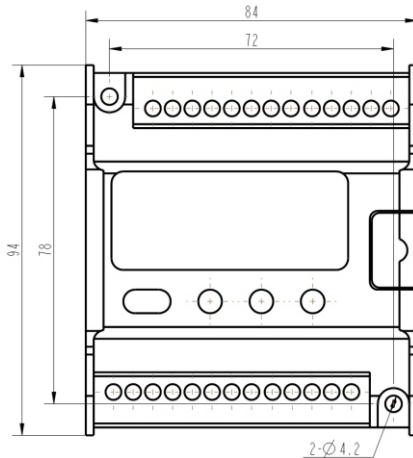
318-A is a safeguard device specifically aimed at construction hoist, applied to construction lifter, elevator, construction lifting basket and other weight control, can give an alarm of voice, light and electric when equipment in operation.

功能说明及图解 Installation example



产品技术参数 Technical parameters

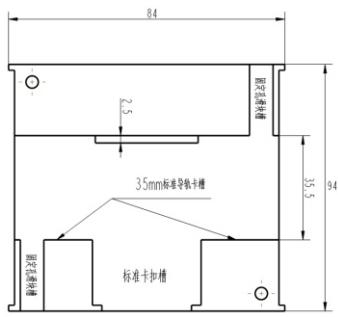
项目Item	参数Parameter	项目Item	参数Parameter
显示方式Display mode	4位数码管显示4-digit Nixie tube display	报警输出Alarm output	AC250V/7A
工作电压Working voltage	AC110-440V/DC12-36V	安装方式Installation	挂式/卡槽式Slot type
工作温度Working temperature	-20~60°C	动作误差Action error	≤1%F.S
工作湿度Operating humidity	95%	蜂鸣器Buzzer	≥90dB
综合误差Comprehensive error	≤1%F.S		
过载预警Overload early warning	≥额定重量的95%（可设置）；继电器状态：线圈失电，常闭触点闭合；蜂鸣器状态：断续响（1秒，间隔2秒） ≥95% of the rated weight (configurable); state of the relay: coil power-losing; closing of normally-closed contact; state of the buzzer: intermittent ringing (one second with two seconds interval)		
过载报警Overload alarm	≥额定重量的100%持续1秒断电（可设置）；继电器状态：线圈得电，常闭触点断开；蜂鸣器状态：急促响2秒。 ≥outage happens when 100% of the rated weight lasts one second (configurable); state of the relay: coil is powered, normally-closed contact is off; state of the buzzer: rapid ringing for two seconds.		
立即报警Instant alarm	≥额定重量的105%（立即断电）继电器状态：线圈得电，常闭触点断开 ≥ at 105% of the rated weight (immediate outage); state of the relay: coil is powered, normally-closed contact is off		
解除报警Alarm relieve	当起吊物减少到额定重量以下时，解除报警。Alarm relieves when the lifted object is lighter than the rated weight.		

318-B1

318-B1起重量限制器，适用于施工升降机、电梯、施工吊篮、起重机等重量控制，能在设备载重运行中提供声、光、电报警

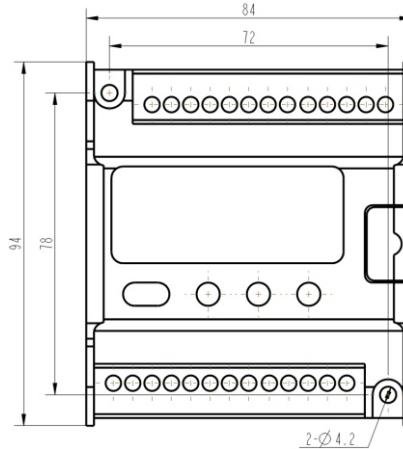
318-B1 is a safeguard device specifically aimed at construction hoists, applied to construction lifters, elevators, construction lifting baskets, and other weight controllers. It can provide voice, light, and electricity alarms during equipment operation.

安装方式 Installation example



产品技术参数 Technical parameters

项目Item	参数Parameter	项目Item	参数Parameter
显示方式Display mode	4位数码管显示4-digit Nixie tube display	报警输出Alarm output	AC250V/7A
工作电压Working voltage	AC/DC12-36V	安装方式Installation	卡槽式Slot type
工作温度Working temperature	-20~60°C	动作误差Action error	≤1%F. S
工作湿度Operating humidity	95%	蜂鸣器Buzzer	≥90dB
综合误差Comprehensive error	≤1%F. S		
过载预警Overload early warning	≥额定重量的95%（可设置）；继电器状态：线圈失电，常闭触点闭合；蜂鸣器状态：断续响（1秒，间隔2秒） ≥95% of the rated weight (configurable); state of the relay: coil power-losing; closing of normally-closed contact; state of the buzzer: intermittent ringing (one second with two seconds interval)		
过载报警Overload alarm	≥额定重量的100%持续1秒断电（可设置）；继电器状态：线圈得电，常闭触点断开；蜂鸣器状态：急促响2秒。 ≥outage happens when 100% of the rated weight lasts one second (configurable); state of the relay: coil is powered, normally-closed contact is off; state of the buzzer: rapid ringing for two seconds.		
立即报警Instant alarm	≥额定重量的105%（立即断电）继电器状态：线圈得电，常闭触点断开 ≥ at 105% of the rated weight (immediate outage); state of the relay: coil is powered, normally-closed contact is off		
解除报警Alarm relieve	当起吊物减少到额定重量以下时，解除报警。Alarm relieves when the lifted object is lighter than the rated weight.		

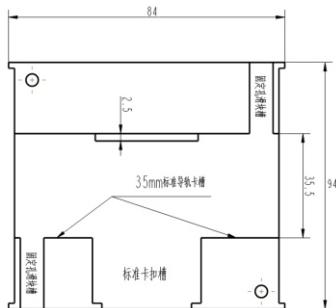


318-B2适用于各行业的称重控制、采用高精度24位A/D

318-B2 Applied to the weighing control of various industries, adopting high accuracy, 24 bits A/D

安装方式

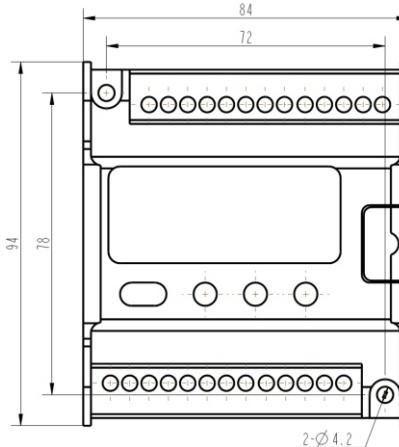
Installation example



产品技术参数

Technical parameters

项目Item	参数Parameter	项目Item	参数Parameter
显示方式Display mode	6位数码管显示6-digit Nixie tube display	报警输出Alarm output	AC250V/7A
工作电压Working voltage	AC/DC12~36V	安装方式Installation	卡槽式及螺丝孔位Slot type and screw holes
工作温度Working temperature	-20~60°C	动作误差Action error	≤1%F.S
工作湿度Operating humidity	95%	蜂鸣器Buzzer	≥90dB
综合误差Comprehensive error	≤1%F.S		

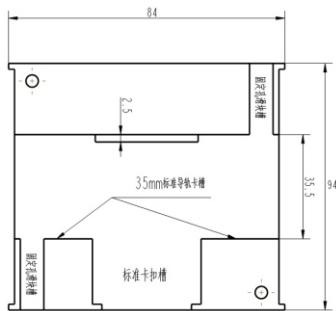


318-B3适用于各行业的称重控制、采用高精度24位A/D

318-B3 Applied to the weighing control of various industries, adopting high accuracy, 24 bits A/D

安装方式

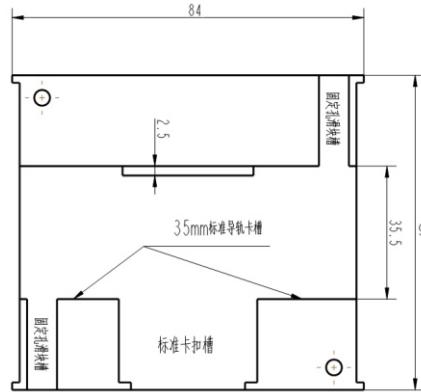
Installation example



产品技术参数

Technical parameters

项目Item	参数Parameter	项目Item	参数Parameter
显示方式Display mode	6位数码管显示6-digit Nixie tube display	报警输出Alarm output	AC250V/7A
工作电压Working voltage	AC/DC12~36V	安装方式Installation	卡槽式及螺丝孔位Slot type and screw holes
工作温度Working temperature	-20~60°C	动作误差Action error	≤1%F.S
工作湿度Operating humidity	95%	蜂鸣器Buzzer	≥90dB
综合误差Comprehensive error	≤1%F.S		

LMT

LMT起重量限制器，适用于施工升降机、电梯施工吊篮、起重机等重量控制，能在设备载重运行中提供声、光、电报警

LMT Is a safeguard derive specifically aim at construction hoist, Applied to construction lifter, elevator, construction lifting basket and other weight controllt, can give an alarm of voice.light and electricity when equipment in operation

产品特点

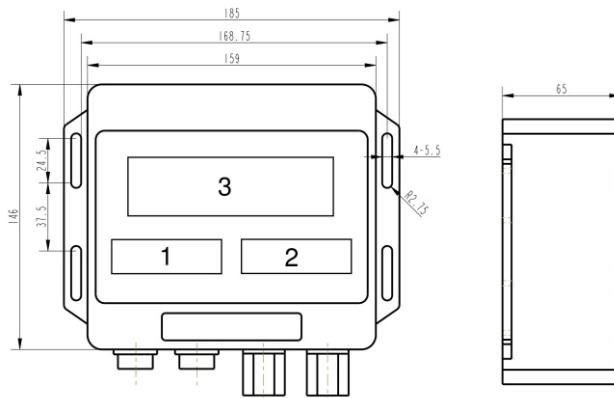
Specification

- ◆ 经典塑料外壳，安装方便，防护性好。
Classic plastic shell, convenience to install, perfect protection.
- ◆ 电压：220V可接，完美解决工地电压不稳，比传统仪表更加稳定。
voltage: AC220V, perfectly fix instable site voltage, more stable than traditional indicator.
- ◆ 测量精度：高精度ADC，控制器测量精度优于1%，优于传统模拟信号仪表。
Measurement Accuracy: High accuracy ADC, controller measurement accuracy better than 1%, superior to traditional analog signal indicators.
- ◆ 显示：4位数码管，00.00—99.99，可实现高精度称重。
Display: 4 digital tube, 00.00-99.99, it can achieve high accuracy weighing result.
- ◆ 重量显示：按起重吊起的实际重量显示，起重行业分辨率达10kg。
Weight display: according to the lifting hoist to display actual weight, the resolution ratio attaches to 10KG in crane industry.
- ◆ 一路继电器常闭触点(常开可选)切断或接通电路。
One way relay normally closed contact (NC/NO) for off- on circuit.
- ◆ 调试极为方便，可实现实物及无砝码标定，一键重量修正功能。
Convenient for debugging, achieve theory calibration and without weight calibration, push one button to correct all weight data.

产品技术参数

Technical parameters

项目Item	参数Parameter	项目Item	参数Parameter
显示方式Display mode	4位数码管显示4-digit Nixie tube display	报警输出Alarm output	AC250V/7A
工作电压Working voltage	AC220V	安装方式Installation	卡槽式Slot type
工作温度Working temperature	-20~60°C	动作误差Action error	≤1%F. S
工作湿度Operating humidity	95%	蜂鸣器Buzzer	≥90dB
综合误差Comprehensive error	≤1%F. S		
过载预警Overload early warning	≥额定重量的95%（可设置）；继电器状态：线圈失电，常闭触点闭合；蜂鸣器状态：断续响（1秒，间隔2秒） ≥ 95% of the rated weight (configurable); state of the relay: coil power-losing; closing of normally-closed contact; state of the buzzer: intermittent ringing (one second with two seconds interval)		
过载报警Overload alarm	≥额定重量的100%持续1秒断电（可设置）；继电器状态：线圈得电，常闭触点断开；蜂鸣器状态：急促响2秒。 ≥ 100% of the rated weight lasts one second (configurable); state of the relay: coil is powered, normally-closed contact is off; state of the buzzer: rapid ringing for two seconds.		
立即报警Instant alarm	≥额定重量的105%（立即断电）继电器状态：线圈得电，常闭触点断开 ≥ at 105% of the rated weight (immediate outage); state of the relay: coil is powered, normally-closed contact is off		
解除报警Alarm relieve	当起吊物减少到额定重量以下时，解除报警。Alarm relieves when the lifted object is lighter than the rated weight.		

INP-B

INP-B 专门针对大型起重机设备，提供主副钩双控制超载限制器。三显示仪表，能在设备载重运行中提供声、光、电报警。

INP-B is specially designed for large crane equipment, providing a primary and secondary hook dual control overload limiter. Three display indicator can provide sound, light and electric alarms during the load operation of the equipment.

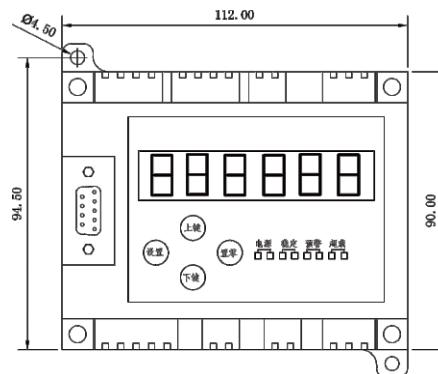
产品特点 Specification

- ◆ 经典塑料外壳，安装方便，防护性好。
Classic plastic shell, convenience to install, perfect protection.
- ◆ 电源：外接220V电源适配器，完美解决现场电压不稳定，仪表更加稳定。
voltage: AC220V, perfectly fix instable site voltage, more stable than traditional indicator.
- ◆ 测量精度：高精度ADC，控制器测量精度优于1%，优于传统模拟信号仪表。
Measurement Accuracy: High accuracy ADC, controller measurement accuracy better than 1%, superior to traditional analog signal indicators.
- ◆ 显示：三屏幕于一体式面板显示，3组4位数码管，00.00-99.99，可实现高精度称重。
Display: 4 digital tube, 00.00-99.99, it can achieve high accuracy weighing result.
- ◆ 可链接2只传感器，实现单独称重控制，完美解决设备需要多个超载控制问题。
Can connect two load cells, and achieve separate weighing control, perfectly solve multiple overload control problems of equipment.
- ◆ 三路继电器常闭触点（常开可选）控制，第三路控制为一、二路控制重量总和。
Three-way relay normally closed contact (normally open optional) control, the third way control is the sum of the first and second way control weight.
- ◆ 可带一路4-20mA输出信号。
Can carry one 4-20mA output signal.
- ◆ 兼容支持各种大屏幕外接显示
Support various large screen external display
- ◆ 调试极为方便，可实现实物及无砝码标定，一键重量修正功能。
Convenient for debugging, achieve theory calibration and without weight calibration, push one button to correct all weight data.

产品技术参数

Technical parameters

项目Item	参数Parameter	项目Item	参数Parameter
显示方式Display mode	3组4位数码管显示3 groups of 4 digit display	报警输出Alarm output	AC250V/7A
工作电压Working voltage	AC220V	安装方式Installation	挂式Hanging type
工作温度Working temperature	-20~60°C	动作误差Action error	≤1%F. S
工作湿度Operating humidity	95%	蜂鸣器Buzzer	≥90dB
综合误差Comprehensive error	≤1%F. S		
过载预警Overload early warning	≥额定重量的95%（可设置）；继电器状态：线圈失电，常闭触点闭合；蜂鸣器状态：断续响（1秒，间隔2秒） ≥ 95% of the rated weight (configurable); state of the relay: coil power-losing; closing of normally-closed contact; state of the buzzer: intermittent ringing (one second with two seconds interval)		
过载报警Overload alarm	≥额定重量的100%持续1秒断电（可设置）；继电器状态：线圈得电，常闭触点断开；蜂鸣器状态：急促响2秒。 ≥ outage happens when 100% of the rated weight lasts one second (configurable); state of the relay: coil is powered, normally-closed contact is off; state of the buzzer: rapid ringing for two seconds.		
立即报警Instant alarm	≥额定重量的105%（立即断电）继电器状态：线圈得电，常闭触点断开 ≥ at 105% of the rated weight (immediate outage); state of the relay: coil is powered, normally-closed contact is off		
解除报警Alarm relieve	当起吊物减少到额定重量以下时，解除报警。Alarm relieves when the lifted object is lighter than the rated weight.		

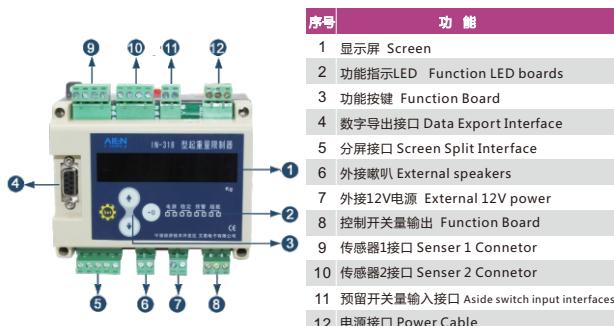
318-C1

318-C1专门针对建筑施工升降机开发的保护装置，能在设备载重运行中提供声、光、电报警

318-C1 This overloading alerter constitutes a resistance strain weighing sensor and an intelligent control instrument. As a safeguarding appliance for elevator, it is designed to provide sound alarm, light alarm

功能标识

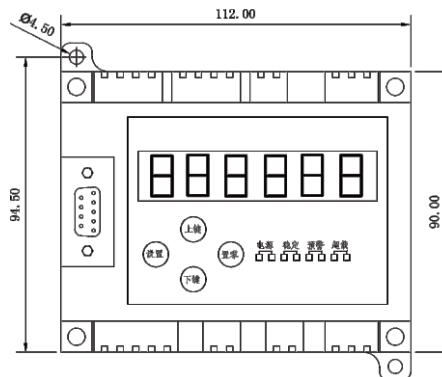
Feature identifier



产品技术参数

Technical parameters

项目Item	参数Parameter	项目Item	参数Parameter
显示方式Display mode	6位数码管显示6-digit Nixie tube display	报警输出Alarm output	AC250V/7A
工作电压Working voltage	AC180~260V	安装方式Installation	卡槽式Slot type
工作温度Working temperature	-20~60°C	动作误差Action error	≤1%F. S
工作湿度Operating humidity	95%	蜂鸣器Buzzer	≥90dB
综合误差Comprehensive error	≤1%F. S		
过载预警Overload early warning	≥额定重量的95% (可设置) ; 继电器状态: 线圈失电, 常闭触点闭合; 蜂鸣器状态: 断续响 (1秒, 间隔2秒) ≥ 95% of the rated weight (configurable); state of the relay: coil power-losing; closing of normally-closed contact; state of the buzzer: intermittent ringing (one second with two seconds interval)		
过载报警Overload alarm	≥额定重量的100%持续1秒断电 (可设置) ; 继电器状态: 线圈得电, 常闭触点断开; 蜂鸣器状态: 急促响2秒。 ≥outage happens when 100% of the rated weight lasts one second (configurable); state of the relay: coil is powered, normally-closed contact is off; state of the buzzer: rapid ringing for two seconds.		
立即报警Instant alarm	≥额定重量的105% (立即断电) 继电器状态: 线圈得电, 常闭触点断开 ≥ at 105% of the rated weight (immediate outage); state of the relay: coil is powered, normally-closed contact is off		
解除报警Alarm relieve	当起吊物减少到额定重量以下时, 解除报警。Alarm relieves when the lifted object is lighter than the rated weight.		

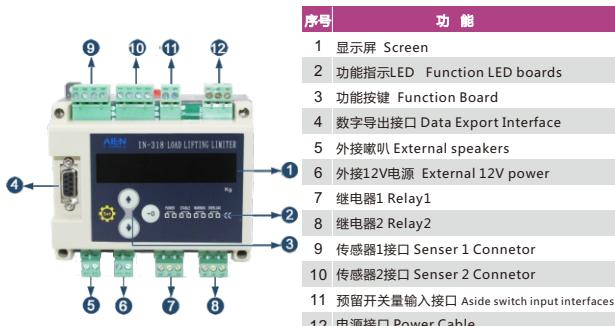


318-C2专门针对建筑施工升降机开发的保护装置，能在设备载重运行中提供声、光、电报警

318-C2 This overloading alerter constitutes a resistance strain weighing sensor and an intelligent control instrument. As a safeguarding appliance for elevator, it is designed to provide sound alarm, light alarm

功能标识

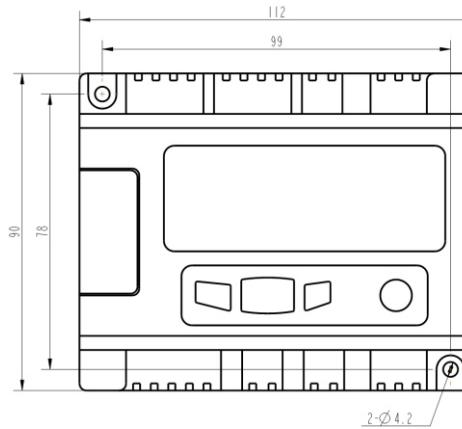
Feature identifier



产品技术参数

Technical parameters

项目Item	参数Parameter	项目Item	参数Parameter
显示方式Display mode	6位数码管显示6-digit Nixie tube display	报警输出Alarm output	AC250V/7A
工作电压Working voltage	AC180~260V	安装方式Installation	卡槽式Slot type
工作温度Working temperature	-20~60°C	动作误差Action error	≤1%F. S
工作湿度Operating humidity	95%	蜂鸣器Buzzer	≥90dB
综合误差Comprehensive error	≤1%F. S		
过载预警Overload early warning	≥额定重量的95%（可设置）；继电器状态：线圈失电，常闭触点闭合；蜂鸣器状态：断续响（1秒，间隔2秒） ≥ 95% of the rated weight (configurable); state of the relay: coil power-losing; closing of normally-closed contact; state of the buzzer: intermittent ringing (one second with two seconds interval)		
过载报警Overload alarm	≥额定重量的100%持续1秒断电（可设置）；继电器状态：线圈得电，常闭触点断开；蜂鸣器状态：急促响2秒。 ≥ outage happens when 100% of the rated weight lasts one second (configurable); state of the relay: coil is powered, normally-closed contact is off; state of the buzzer: rapid ringing for two seconds.		
立即报警Instant alarm	≥额定重量的105%（立即断电）继电器状态：线圈得电，常闭触点断开 ≥ at 105% of the rated weight (immediate outage); state of the relay: coil is powered, normally-closed contact is off		
解除报警Alarm relieve	当起吊物减少到额定重量以下时，解除报警。Alarm relieves when the lifted object is lighter than the rated weight.		

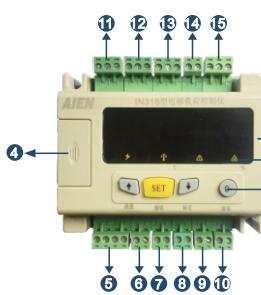
318-D1

318-D1专门针对载人、住宅、观光等电梯开发的保护装置，能在设备运行中提供声、光、电报警及多种信号

318-D1 is the protection device specially developed for passenger elevator, home elevator and sightseeing elevator, can provide sound, light, electric alarm and various signals during the operation of equipment.

功能标识

Feature identifier

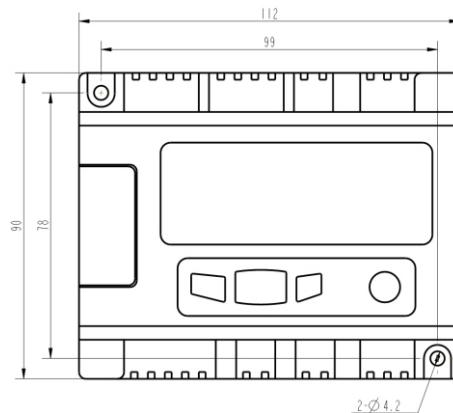


序号	功 能
1	显示屏 Display
2	功能指示LED LED Function indicating
3	功能按键 Functionbutton
4	数字导出接口 Dataoutputinterface
5	传感器接口 Loadcellconnector
6	模拟量 Analogamount
7	上行 Movingup
8	平层 Leveling
9	关门 Clos
10	24V
11	电源接口 Powerinterface
12	外接喇叭 External speaker
13	超载 Overload
14	满载 Fullload
15	轻载 Underload

产品技术参数

Technical parameters

项目Item	参数Parameter	项目Item	参数Parameter
精度 Accuracy	<±2%	传感器过载能力 Overload capability of load cell	150%
灵敏度 Sensitivity	<0.1%	仪器 功耗Power consumption of indicator	<8W
控制回差 Hysteresis control	<2%	规格 量程Capacity	0.2t, 0.5t, 1t, 1.5t, 2t, 3t, 5t
工作温度 Operating temp	-10~50°C	供电 Power supply	交流AC 220V, 或直流DC 24V

318-D2

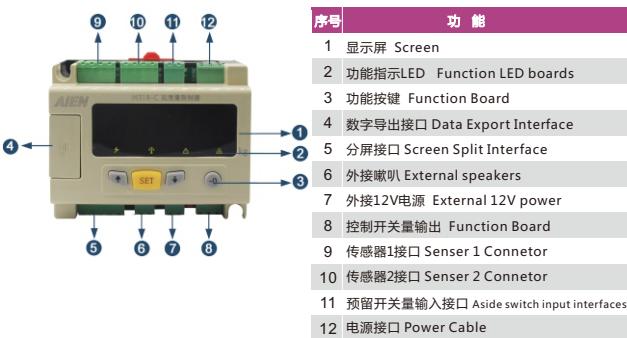
产品特点 Specification

- ◆ 全中/英文显示, 操作方便直观。
All Chinese or English display, Easy to operate and intuitive.
- ◆ 标准卡槽导轨式外壳, 阻燃ABS材料, 安装方便、耐火。
Standard duct shell railed, ABS fire-resistance material, convenient installation, fire-resistance.
- ◆ 工频电源输入, 完美解决各种工矿电压环境, 比传统仪表更加稳定。
Power frequency input, perfectly solve all kinds of industrial and mining voltage environment;
- ◆ 采用一体式硅胶按键, 按键使用寿命可达10万次。
Adopt integrated silicone button, the button life time can reach 10 million times.
- ◆ 测量精度: 高精度ADC, 控制器测量精度优于1%, 优于传统模拟信号仪表。
Measurement Accuracy: High accuracy ADC, controller measurement accuracy better than 1%, superior to traditional analog signal indicators.
- ◆ 内置电池, 断电情况下可工作8小时, 并可进行自充电, 完美解决开门断电无法工作情况, 360° 无死角安全监控防超载。
Built-in battery, it can still work eight hours under power outages and can be charged automatically. 360°C no-dead angle security monitored for anti-overload.
- ◆ 显示: 6位液晶背光显示, 0000.00—9999.99, 高精度称重。
Display: 6 LCD backlight display, 0000.00—9999.99, high precision weighing.
- ◆ 重量显示: 按起重吊起的实际重量显示, 起重行业分辨率达1kg。
Weight display: according to the lifting hoist to display actual weight, the resolution ratio attaches to 1KG in crane industry.
- ◆ 一路继电器常闭触点(常开可选)切断或接通电路, 可外接蜂鸣器及分屏显示(选配)。
One way relay normally closed contact (NC/NO) for off-on circuit. The external buzzer and split-screen display can be outer connected(optional).
- ◆ 支持RS232\485通信, 可外接大屏幕及上位机功能。
Support RS232\485 communications, external large screen and PC functions.
- ◆ 支持0—5V, 4—20mA模拟量输出。
Support 0-5V, 4-20mA analog output
- ◆ 可实现实物及砝码标定, 一键重量修正功能。
Convenient for debugging, achieve theory calibration and without weight calibration, push one button to correct all weight data.

318-D2专门针对建筑施工升降机开发的保护装置, 能在设备载重运行中提供声、光、电报警

318-D2 This overloading alerter constitutes a resistance strain weighing sensor and an intelligent control instrument. As a safeguarding appliance for elevator, it is designed to provide sound alarm, light alarm

功能标识 Feature identifier



产品技术参数 Technical parameters

项目Item	参数Parameter	项目Item	参数Parameter
显示方式Display mode	6位数码管显示6-digit Nixie tube display	报警输出Alarm output	AC250V/7A
工作电压Working voltage	AC180—260V	安装方式Installation	卡槽式及螺丝孔位Slot type and screw holes
工作温度Working temperature	-20~60°C	动作误差Action error	≤1%F. S
工作湿度Operating humidity	95%	蜂鸣器Buzzer	≥90dB
综合误差Comprehensive error	≤1%F. S		

318-E



318-E起重量限制器，适用于施工升降机、电梯施工吊篮、起重机等重量控制，能在设备载重运行中提供声、光、电报警

318-E is a safeguard device specifically aimed at construction hoists, applied to construction lifters, elevators, construction lifting baskets and other weight controllers. It can give an alarm of voice, light and electricity when equipment is in operation.



备注：

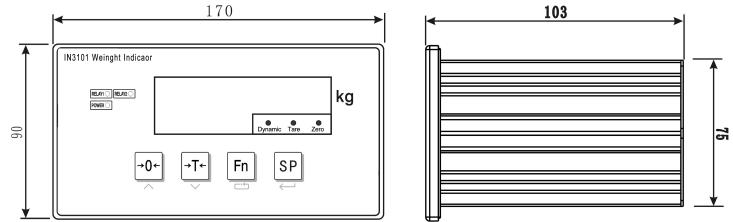
- (1) 系统正常运行前请务必确认工作电源电压是否在AC110V~220V
(1) Before normal operation, please confirm the work voltage must be in the range of AC110~220V
- (2) 测定重量达到或超过设定的极限重量时继电器动作。
(2) Measure relay action when the weight reaches or exceeds the set limit.



产品技术参数

Technical parameters

项目Item	参数Parameter	项目Item	参数Parameter
显示方式Display mode	4位数码管显示4-digit Nixie tube display	报警输出Alarm output	AC250V/7A
工作电压Working voltage	AC110~220V	安装方式Installation	卡槽式Slot type
工作温度Working temperature	-20~60°C	动作误差Action error	≤1%F. S
工作湿度Operating humidity	95%	蜂鸣器Buzzer	≥90dB
综合误差Comprehensive error	≤1%F. S		
过载预警Overload early warning	≥额定重量的95% (可设置)；继电器状态：线圈失电，常闭触点闭合；蜂鸣器状态：断续响 (1秒，间隔2秒) ≥ 95% of the rated weight (configurable); state of the relay: coil power-losing; closing of normally-closed contact; state of the buzzer: intermittent ringing (one second with two seconds interval)		
过载报警Overload alarm	≥额定重量的100%持续1秒断电 (可设置)；继电器状态：线圈得电，常闭触点断开；蜂鸣器状态：急促响2秒。 ≥ 100% of the rated weight lasts one second (configurable); state of the relay: coil is powered, normally-closed contact is off; state of the buzzer: rapid ringing for two seconds.		
立即报警Instant alarm	≥额定重量的105% (立即断电) 继电器状态：线圈得电，常闭触点断开 ≥ at 105% of the rated weight (immediate outage); state of the relay: coil is powered, normally-closed contact is off		
解除报警Alarm relieve	当起吊物减少到额定重量以下时，解除报警。Alarm relieves when the lifted object is lighter than the rated weight.		

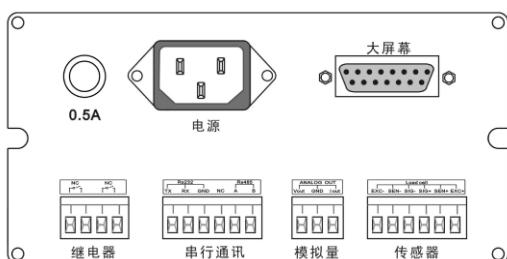
528-A

528-A 集重量显示与模拟信号输出于一体，重量变送器前端信号处理采用高精度的24位专用转换器，模拟信号输16位的D/A转换器.小巧的盘装式铝合金外壳，可方便的嵌入控制柜

528-A It can display weight and output analog signal at the same time. It adopts high Precision A/D transformer with 24digits to deal withfront-end signal of weighing transducer, and adopts D/A transformer with 16 digits to output analog signal. It is with small cassette type aluminum enclosure, which is convenient to insert it into control cabinet.

接线方式

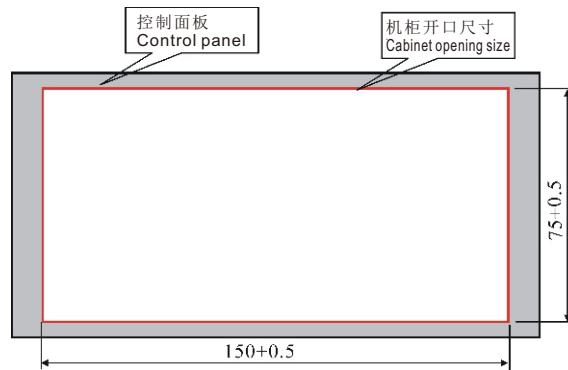
Installation example



产品特点 Specification

- ◆ 内嵌抗EMC干扰电路,抗电磁干扰能力强,适用工业现场的应用。
Embedded the interference circuit of EMC resistance strong ability of anti-electromagnetic interference, suitable for the application of industrial field.
- ◆ 不锈钢防腐面板,全金属屏蔽外壳。
with railed mounting manners (screw fixing can be accepted), it can easily build in the control cabinet.
- ◆ 高精度高分辨率Σ-Δ A/D转换,最大A/D脉冲数:1,000,000
High precision, high resolution with Σ Δ A/D conversion, the maximum A/D pulses: 1,000,000.
- ◆ 更新速率可选择:6.25次/秒、12.5次/秒、25次/秒、50次/秒。
Update rate Selectable: 6.25 times / second, 12.5 times / second, 25 times / second, 50 times /second.
- ◆ 分度数范围:1000~50000.
Division number value: 1000-50000.
- ◆ 分度值范围:0.001~50kg
Division value range: 0.001-50kg
- ◆ 可选择RS232与RS485两种方式,支持Modbus-RTU通讯、Profibus DP现场总线(选配)。
Selectable RS232 and RS485 supporting Modbus-RTU communication, Profibus Dp cables site (optional)
- ◆ 可设定模拟输出类型: 0~20mA、4~20mA、5~5V或0~10V。
Set the analog output type: 0 ~ 20mA, 4 ~ 20mA, 0 ~ 5V or 0 ~ 10V
- ◆ 二路光隔继电器输出,输出模式可设定:重量分选模式或定值模式。
Two-way solar insulation relay output, the output modes can be set: weight sorting mode or setting mode.
- ◆ 6位0.8寸LED数码管显示,6个LED指示灯。
6 digit 0.8 inch LED digital tube display, 6 PCS LED indicator lights.

530-A



530-A 智能配料控制仪表集称重、显示、通讯、单速、双速加料、流量（堵料）检测、报警控制于一体，适用于粮食、饲料、化工、建筑等需要配料控制的行业。

530-A The intelligent batching control indicator integrates weighing, display, communication, single-speed/double-speed feeding, flow (blocking) detection and alarm control, suitable for batching control industries such as grain, feed, chemical industry and construction.

产品特点

Specification

- ◆ 体积小，功能强大，内带继电器，不锈钢防腐面板，全金属屏蔽外壳。Small size, powerful, internal relay, stainless steel anti-corrosion panel, full metal shielded housing
- ◆ 内嵌抗EMC干扰电路，抗电磁干扰能力强，适用工业现场的应用。Built-in anti-EMC interference circuit, strong anti-electromagnetic interference capability, suitable for industrial field applications
- ◆ 多重密码设置功能，可以预先设置控制器定时关机时间。Multiple password setting function, preset the controller timing shutdown time.
- ◆ 配料过程中突然断电，重新上电后能继续前一次中断的配料过程。Sudden power failure during the batching process, after re-power, the previous batching process before interruption can be continued.
- ◆ 检测配料过程加料流量和放料流量，在堵料或缺料状态时能够进行报警。Detect the feeding flow and the discharging flow rate during the batching process, alarm can in case of blocking or shortage of materials.

产品技术参数

Technical parameters

项目Item	参数Parameter	项目Item	参数Parameter
激励电压 Excitation voltage	可驱动8只350的模拟式传感器 Driving 8 pcs 350Ω analog load cell	非线性 Non-linearity	优于0.01%FS Above 0.01%FS
量程信号范围 Capacity signal range	1.5~40mV	电源电压范围 Power supply voltage range	交流200~242V, 频率49~51Hz, 最大功耗8瓦 AC 200~242V, Frequency 49~51Hz, Max. power consumption 8 watts
零点信号范围 Zero signal range	-40~38.5mV	使用温度 Operating temp	-20℃~50℃, 湿度为10%~95%, 无冷凝 -20℃~50℃, Humidity 10%~95%, No condensation
继电器触点容量 Relay contact capacity	交流3A / 250V, 直流3A / 30V AC 3A / 250V, DC 3A / 30V		
最高灵敏度 Highest sensitivity	0.3uV/d0.3uV/d		