



YAOHUA

# Platform Scale Indicator

# A12



**A12**  
with LCD display

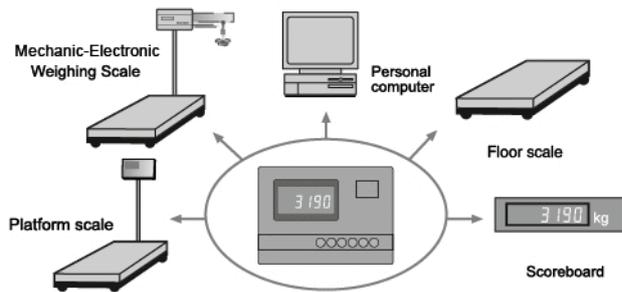
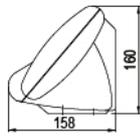
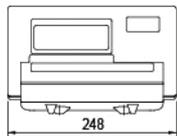
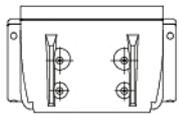


**A12E**  
with LED display



EC type-approval  
certificate

With built-in rechargeable battery



## Introduction:

Weighing indicator XK3190-A12 adopts fast speed, high precision  $\Sigma - \Delta$  A/D conversion technology and special anti-vibration software technology, widely applied in electronic platform scale, electronic floor scale, mechanic-electronic conversion scale and so on alike static weighing system equipped with 1~4 load cell.

## Standard Function:

- ◆ High precision A/D conversion with readability 1/30000
- ◆ Call and display inner code to replace weight observing and analysis tolerance
- ◆ Special digital filtering technology to strengthen anti-vibration ability
- ◆ Able to set up digital filter intensity, range and stable time
- ◆ With counting function (unit weight data save protection in case of power off)
- ◆ Selectable backlight mode
- ◆ Alarm for low battery and auto power off at low battery, with built-in rechargeable 6V/4AH battery
- ◆ RS232 interface with selectable baud rate
- ◆ Optional of scoreboard interface sending by 20mA current loop
- ◆ Enhanced EMC design effectively eliminates EMR disturbance of power supply and outside
- ◆ Fourfold cheat-proof by both software and hardware
- ◆ Good electric safety performance
- ◆ Double power supply design to ensure independence and stability of A/D conversion

## Technical Parameter:

- ◆ A/D conversion method:  $\Sigma - \Delta$
- ◆ A/D conversion speed: 10 times/sec.
- ◆ Max. A/D conversion bits: 20
- ◆ Input signal range: -10mV~15mV
- ◆ Input sensitivity:  $\geq 1 \mu V/e$
- ◆ Load cell excitation: DC 5V;  $I \leq 150mA$
- ◆ Max. connection number of load cell: 4 at 350 ohm
- ◆ Load cell connection mode: 6 wire
- ◆ Verified counts: 3000
- ◆ Max. external counts: 30000
- ◆ Max. internal resolution: 300000
- ◆ Division: 1/2/5/10/20/50 optional
- ◆ Display(XK3190-A12): 6 digits LCD, 6 status indications
- ◆ Display(XK3190-A12E): 6 digits LED, 6 status indications
- ◆ Display range: -2000~150000(d=10)
- ◆ Optional: Scoreboard interface serial sending signal by current loop with baud rate 600
- ◆ Transmission distance: Current loop  $\leq 2000$  meters
- ◆ Optional: RS232C serial communication interface, with selectable baud rate by continuous sending method
- ◆ Baud rate seletable: 1200/2400/4800/9600
- ◆ Transmission distance: RS232C  $\leq 30$  meters
- ◆ Power supply: AC 187~242V, 49~51Hz; DC built-in rechargeable 6V/4AH battery

## Nonstandard Function( Optional, please inform sales staff if need):

- ◆ KG/LB switch function
- ◆ Auto calculating average function ( For livestock scale)
- ◆ Two fixed-value outputs function ( For low speed weighing)

[www.yaohua.cc](http://www.yaohua.cc)