

XK3190-A12E Weighing display



Description

Fast speed, high precision A/D conversion

Anti-vibration software

Applied in platform scale, floor scale, weighing system equipped with 1-4 load cell.

Feature

- 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
- 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 Specifications

A/D Conversion Method	$\Sigma - \Delta$
A/D Conversion Rate	10 times/second
Maximum A/D Conversion Bits	20
Input Signal Range	-10mV ~ 15mV
Input Sensitivity	$\geq 1\mu$ V/e
Load Cell Excitation	DC 5V; $I \leq 150$ mA
Maximum Connection Number	4 at 350 Ω

of Load Cells	
Load Cell Connection Method	6-wire
Accuracy Class	C3
Verification Counts	3000
Maximum External Counts	30000
Maximum Internal Resolutions	300000
Divisions (Optional)	1/2/5/10/20/50
Display	6-digits LED, 6 status indications
Display Range	-2000 ~ 150000 (d=10)
Transmission Distance	Current loop ≤ 2000 meters
Selectable Baud Rate	1200/2400/4800/9600
Transmission Distance for RS232C	≤ 30 meters
Operating Temperature	0°C ~ + 40°C
Storage Temperature	-25°C ~ + 55°C
Relative Humidity	≤ 85% RH non-condensing
Ingress Protection	IP54
Power Supply	AC 187~242V, 49~51Hz; DC rechargeable 6V/4AH battery