XK3190-Ex-C9G
EXPLOSION-PROOF WEIGHING INSTRUMENT

XK3190-Ex-C9G is an explosion-proof weighing instrument with internal safety barrier and overall explosion-proof certification. The instrument can be conveniently combined with explosion-proof resistance strain sensor and explosion-proof junction box to form an explosion-proof weighing control system, which is applicable to most explosive gas occasions such as chemical industry, pharmaceutical industry and petroleum.



- Explosion-proof grade: Exd[iaIIC Ga] IIC T6 Gb
- Industrial-grade high-reliability isolated power supply, 24VDC/220VAC input, multiple protections.
- The patented technology is added to the sensor signal acquisition and conversion circuit, which can self-diagnose and self-protect, and use more peace of mind.
- Storage, inspection, deletion, printing and other processing of weighing data records can be carried out on the instrument side, with power-off data protection.
- Strong anti-interference ability and high reliability.
- Support weight-free calibration.

Technical Indicators	
Housing, Dimensions, Weight	◎ Aluminum alloy casting, plastic spraying on the outer surface, wall-mounted installation ◎ Installation size 335×270mm ◎ Instrument size: 330*300*180mm ◎ Weight: about 10kg ◎ Explosion-proof connector: 4-M20*1.5F
Powered by	◎ Ac AC 220VAC, 50/60 Hz ◎ DC DC 12 ~30VDC
Environment	◎ Working environment: 0~40°C , RH relative humidity ⩽ 85% , non-condensing ◎ Storage and transportation environment: -20~50°C , RH relative humidity ⩽ 85% , non-condensing
Input type	◎ 1~4 analog load cells ◎ Signal range: -15mV ~ +15mV ◎ Sensor bridge power supply: DC: 5V, 80mA ◎ Six-wire system
Precision	◎ Accuracy class: Class 3 ◎ Maximum number of verification intervals: 3000 ◎ Input sensitivity: 1μV/e ◎ A/D conversion rate: ⩽ 80Hz Display ◎ Single-window multi-function LCD display window, multi-level backlight brightness adjustment ◎ Display division value: 1/2/5/10/20/50 ◎ Decimal places: 0~3
Display	◎ 7-bit LED digital tube , Character height 0.8” ◎ 7 status indicator lights ◎ Display division value: 1/2/5/10/20/50 ◎ Decimal places: 0~3
Operation	◎ 6 explosion-proof jog buttons
Communication	◎ Analog output: 1, 4~20mA/0~5V/0~10V ◎ Serial port: 1 RS232, 1 RS485 ◎ Baud rate: 1200 ~ 9600bps optional ◎ Protocol: Modbus-RTU, expandable Profibus- DP ◎ Printer interface: can be connected to a serial printer through the serial port
I/O	◎ 3 inputs and 3 outputs

XK3190-Ex-A8
EXPLOSION-PROOF WEIGHING INSTRUMENT

XK3190-Ex-A8 All stainless steel intrinsically safe explosion-proof instrument is suitable for: static weighing systems such as electronic platform scales, platform scales, floor scales, etc., and can be applied to most explosive gas occasions such as chemical, pharmaceutical, and petroleum



- Explosion-proof grade: Ex ib IIC T3/T4 Gb • Low power
- consumption design, automatic sleep and multi-level power saving mode.
- It can be powered by intrinsically safe explosion-proof lithium battery or intrinsically safe DC power supply

Technical Indicators	
Housing, dimensions, weight	◎ Stainless steel waterproof shell ◎ Protection grade: IP65 ◎ Weight: 2.2kg
Powered by	◎ AC 220VAC / 50~60Hz intrinsically safe power supply (standard configuration) ◎ 9.6V / 3AH lithium battery pack (optional)
Environment	◎ Working environment: 0~40°C , RH relative humidity ⩽ 90% , non-condensing; ◎ Storage and transportation environment: -20~50°C , RH relative humidity ⩽ 90% , non-condensing
Input type	◎ 1~4 350Ω analog load cells ◎ Signal range: -15mV ~ 15mV ◎ Sensor bridge power supply: DC: 5V ◎ Six-wire system
Precision	◎ Accuracy class: Class III ◎ Maximum verification division: 3000 ◎ Input sensitivity: 1μV/e ◎ A/D conversion rate: ⩽ 10Hz
Display	◎ Single-window multi-function LCD display window, multi-level backlight brightness adjustment ◎ Display division value: 1/2/5/10/20/50 ◎ Decimal places: 0~3
Operation	◎ Anti-static button panel, 7 light touch buttons
Communication	◎ Analog output: 1 piece, 4~20mA (passive) ◎ Serial port (optional): 1 piece, RS232/ RS485 ◎ Baud rate: 600-9600bps optional ◎ Large-screen display interface: serial output mode, current loop signal
Data storage	◎ 99 sets of weighing data and time