


Type IND-231-E00 Indicator



Short Description



- Supports weighing systems of 1 to 6 load cells
- Fast speed, high accuracy $\Sigma - \Delta$ A/D conversion technology
- Special anti-vibration software technology
- Suitable for electronic platform, floor and other electronic static weighing scales

 OIML Test certificate no. R76/2006-CN1-09.01

Available Models

P/N	Model	Amount of Connections	Full Article Description
78130309	IND-231-E00	1-6	IND-231-E00 (OIML)

Type IND-231-E00 Indicator

Main Technical Index IND-231-E00

- Input signal range: -19~+19Mv
- Weight update speed rate: 50 times/sec.
- A/D conversion: 20 bit Sigma-Delta analog to digital
- A/D sampling frequency: 3.84kHz
- Load cell excitation voltage: DC5V/150mA
- Display: 6 digits 1.2 inches high, LED display
- Division number of the display: $\leq 100000d$
- Large screen interface: current loop interface
- Serial port: RS232 interface (with electrostatic protection), continuous output, MODBUS-RTU, command input and output
- Working temperature: -10~+40°C, Storage temperature: -25~+55°C
- Relative humidity: $\leq 85\%$
- Power supply mode: AC100~240V, electric current is 0.1A; built-in DC6V/4Ah lead-acid battery

Type IND-231-E00 Indicator

Product Features IND-231-E00

- The functions of ordinary weighing and counting
- Two RS232 interface can communicate with the host computer or external printers
- It can print the record format or duplicate format
- Manual/automatic counting and printing
- Isolation function of the serial port and the large screen interface
- **(Optional)**
- RS485 interface (Optional)
- Bluetooth (Optional)
- Wall-Hanging/Rotating bracket (Optional)

Type IND-231-E00 Indicator

Technical Specifications IND-231-E00

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; $I \leq 150 \text{ mA}$
Maximum Connection Number of Load Cells	4 at 350 Ω
Load Cell Connection Method	4-wire/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	$\leq 85\%$ RH non-condensing
Ingress Protection (acc. to EN 60529)	IP54
Power Supply (battery excluded from delivery)	AC 187~242V, 49~51Hz; DC rechargeable 6V/4AH battery