

Type IND-100 Indicator



Short Description

- Supports weighing systems of 1 to 16 load cells
- Fast speed, high accuracy $\Sigma - \Delta$ A/D conversion technology
- Special anti-vibration software technology
- can be used for packing scales, proportion scales, screening scales, stabilization control devices for upper and lower limits control etc
- aluminum alloy shell housing

OIML Test certificate no. R76/2006-CN1-09.21

Available Models

P/N	Model	Amount of Connections	Full Article Description
78130310-000	IND-100-000	1-16	IND-100-000 (OIML)
78130310-001	IND-100-001		
78130310-002	IND-100-002		

Type IND-100 Indicator

Main Technical Index IND-100

- Range of input signal: -10 ~ +35mV
- A/D conversion: 24-bit sigma-delta A/D conversion
- A/D sampling frequency: 38.400 kHz
- Nonlinearity: $\leq 0.0015\%$ F.S.
- Gain error drift: 0.5ppm/°C
- Minimum resolution: 0.1uV/d
- Supply voltage: 5V/200mA (can connect 16 sensors)
- Operating temperature: -10 ~ +50°C
- Storage temperature: -40 ~ +85°C
- Relative humidity: $\leq 90\%$ R.H
- Power supply: DC10V ~ 24V

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Product Features IND-100

- Cabinet installation & Aluminum alloy shell
- 0.5-inch 6-bit super bright LED display
- To match a F2 wireless transmission box
- To match 16-bit resolution ratio 4-20mA analog output interface (optional)
- To match 3 input & output ON-OFF interface (optional)
- RS232C & RS485 interface

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Technical Specifications IND-100

A/D Conversion Method	A/D Conversion Method: 24-bit Σ - Δ Analog-Digit
A/D Conversion Rate	A/D Conversion Speed: Up to 200 conversions/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 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 \leq 2000 meters
Selectable Baud Rate	1200/2400/4800/9600
Transmission Distance for RS232C	\leq 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)	IP65
Power Supply (battery excluded from delivery)	DC10V ~ 24V