

Type IND-200 Indicator



PROFI NET Modbus-TCP Modbus-RTU

TCP/IP ANALOG OUTPUT RS485/RS232 PA CE

IP67 UK CA CE RoHS Compliant

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

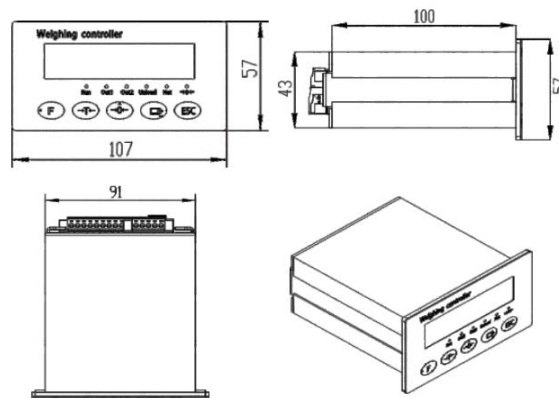
Available Models

P/N	Model	Amount of Connections	Full Article Description
78130310-000	IND-200-ANA	1-16	IND-200-000 (OIML)
78130310-001	IND-200-PN		
78130310-002	IND-200-TCP		

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Main Technical Index IND-200 (External dimensions)

The IND-200 weight transmitter controller is a transmitter controller designed for industrial control applications. It integrates weight display, analog signal output, Modbus-RTU communication, large-screen communication, digital input, and transistor output. It employs a high-speed 24-bit Σ - Δ A/D converter and a 16-bit D/A converter, with opto-isolated interfaces. Fully considering the complexity of electromagnetic interference in industrial environments, its hardware and software are meticulously designed, making it suitable for applications in industrial settings such as building materials, chemicals, food processing, and metallurgy.



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Product Features IND-200

- Built-in EMC interference suppression circuitry provides strong electromagnetic interference resistance and is suitable for industrial applications.
- MODBUS-RTU testing software is provided, supporting read and write operations.
- Supports continuous read and write functionality via RS232/RS485 communication.
- Analog output types: 0-20mA, 4-20mA, 0-5V, or 0-10V.
- Number of transistors and switches: Up to four relay outputs and three switch inputs.
- Large screen interface options: 20mA current loop and RS232.
- Transistor outputs: Sorting, setpoint, quantitative, decremting, dispensing, peak load, and other modes.
- Supports PC-based control operations such as calibration, zeroing, tare, and dispensing start/stop.
- Excitation voltage: 5.0VDC, capable of driving eight 350-ohm sensors.

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Technical Specifications IND-200

IND-200 (Option:)	Standard:
	1. RS232/RS485(switch)
	2. 4 Input 4 Output I/O
	2. Analog output
Power supply and working environment	3.Modbus TCP + RS232/RS485(switch)
	4. Modbus TCP/Profinet/Ethernet IP/EtherCAT/CCLink IE
	Switching power supply: DC19.2~28.8V
	Operating temperature: -20°C~50°C
	Humidity: 10%~95%, non-condensing
	Storage temperature: -30°C~60°C
	Humidity: 10%~95%, non-condensing
Display and Key	Power consumption: 6 watts
	Weight display: 6-digit digital tube, 6 LED indicator lights
Measurement parameters	Function buttons: 5 touch buttons
	A/D Conversion Method: 24-bit Σ - Δ Analog-Digit
	A/D Conversion Speed: Up to 200 conversions/second
	Nonlinearity: Better than 0.01%FS
	Maximum Sensitivity: 0.6uV/d
	Full-Scale Temperature Coefficient: 5PPM/°C
	Zero-Point Temperature Drift: 0.06uV/°C
	Signal Range: 1.5~40mV
	Zero-Point Signal Range: -40~38.5mV
	Transistor Contact Capacity: 5A/250VAC, 5A/30VDC
Excitation Voltage: 5.0VDC, capable of driving 6 350-ohm analog sensors	