About Us

Tianjin Sentinel Electronics Co., Ltd. (SENTINEL) was founded in 2008 and has been deeply engaged in China's industrial automation control field for over a decade. As a research-driven high-tech enterprise, SENTINEL has consistently focused on the development and production of industrial network distributed I/O and sensor products. It is one of the few domestic manufacturers dedicated to the research and development of Industrial Ethernet and fieldbus products.

We adhere to the business philosophy of "Innovation Drives Intelligent Manufacturing, Service Builds Trust," taking customer needs as our guide. Through continuous product refinement and technological upgrades, we strive to provide users with superior products, enhanced application experiences, and high-quality services.
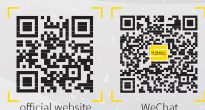
Faster, more flexible, and more efficient production requires seamless communication from sensors to the Internet. SENTINEL offers a wide range of high-quality product options and comprehensive solutions. Our products are widely used in metallurgy, metal processing, construction machinery, machine tools, logistics and packaging, automotive and components manufacturing, and the new energy industry. With reliable product quality and attentive service, we have earned the trust and recognition of a broad customer base.

IO-Link

Accurate · Reliable · Smart

TIANJIN SENTINEL ELECTRONICS CO .,LTD.

Adress: Hitech green industry base,Huayuan industrial park,Tianjin China
Website: www.sentinel-china.com
Tel: 022-83726972
E-mail: sales@sentinel-china.com

official website   WeChat

5-YEAR WARRANTY

IO-Link Temperature / Pressure Sensor

TBH Series Temperature Sensors
SEH Series Pressure Sensors

- Insertion measurement, all stainless steel housing, various probe types
- Compact size, can be easily installed in a cramped space
- 4-digit large digital tube display, mirroring, semi-transparent design
- Integrated programming operation panel, waterproof and stain-resistant
- Support IO-Link functions, empowering sensors for predictive maintenance
- Simple programming options for quick configuration of parameters
- Multiple output modes to meet on-site control needs

IO-Link Master / Device

- Multi-protocol IO-Link master
- Built-in Ethernet switch
- Dual D-coded M12 Ethernet ports
- 8-port IO-Link master
- IO-Link protocol V1.1
- IO-Link master ports: Class A & Class B
- IO-Link master ports with M12 A-coding
- Metal connectors, rugged plastic housing
- Shock and vibration resistant
- Resin-sealed electronics
- IP67 high protection level

PROFINET   EtherCAT   CC-Link IE Field Basic   EtherNet/IP   Modbus TCP

- IO-Link remote IO device
- IO-Link protocol V1.1
- M12 A-coded IO-Link Class A/B
- 8/16-channel digital I/O
- 8-channel Pt100/0-10V/4-20mA/0-20mA input
- 16-channel digital I/O
- Adaptive I/O, expandable
- Auxiliary power M12 L-coded
- 32-channel PNP/NPN, 0.2A per point input
- Resin-sealed electronics
- IP67/IP20 protection level

IO-Link Vortex Flow Sensor

- For precise flow measurement with high repeatability
- Flow & temperature monitoring, wide range, high accuracy
- High-resolution IPS display, supports four viewing directions
- Records total flow for easy data analysis and management
- Multiple thread types for various pipe sizes and fluids
- Friendly operation interface and simple operation process
- Compact size, suitable for small installation environments

IO-Link Transmitter/Converter

- Compact industrial temperature transmitter
- 4-20mA two-wire or three-wire output
- IO-Link Communication Protocol V1.1
- Stainless steel housing
- Probe length can be customized
- PT1000 high-precision temperature sensor
- G1/4 threaded pipe connection

- IO-Link device converter
- 2-channel 4-20mA/0-20mA input
- IO-Link V1.1
- 8-port IO-Link master
- IO-Link Protocol Specification V1.1
- M12 A-coded 4-pin IO-Link Class A
- Semi-transparent case, visible LEDs

IO-Link Level / Temperature Sensor

- Large dual-color display with mirror mode for easy reading
- The upper part of the housing can be rotated 300°
- Normally open/normally closed, PNP/NPN/push-pull, hysteresis/window configurable
- Switching quantity/analog quantity, switching quantity/IO-Link can be set
- The display panel adopts an integrated molded shell
- The shell body is made of stainless steel
- The interface is M12 A code 4 pins
- Key lock function, simple key menu operation
- Sensor parameters can be set via buttons and IO-Link
- The starting and ending points of the analog quantity can be set