**SENTINEL** 森特奈
SENTINEL ELECTRONICS

## 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.

# FLUID SENSING TECHNOLOGY

### Flow | Pressure | Temperature | Level

**5-YEAR WARRANTY**

**TIANJIN SENTINEL ELECTRONICS CO.,LTD.**

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## 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
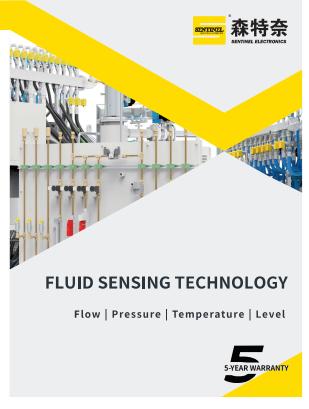- Multiple output modes to meet on-site control needs



## IO-Link 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 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



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## PLSX Flow Sensor

- Based on thermal sensing principle
- The measuring medium is liquid
- A variety of threaded interfaces available
- DC relay output
- Adjustment via potentiometer
- M12 connector
- 3-wire NPN normally open output



## PLSU Flow Sensor



- Based on the thermal conductivity principle
- All stainless steel housing
- The measuring medium is liquid
- M18x1.5 internal thread
- 3-wire PNP normally open output
- Switching point adjustable via potentiometer
- M12 connector outlet

## Flow/Temperature Dual Display Sensor

- Flow rate and temperature analog dual output
- Thermal detection principle, insertion measurement
- NO/NC contacts, PNP/NPN, and analog current output
- 304 stainless steel probe, 316 optional
- Large LED display for flow and temperature
- M12x1 connector
- Protection grade IP65/IP67