







Temperature Sensors



PID Controller

- Multi-input support
- Flexible output options: relay, SSR
- CrP, Voltage, 0-30 cc
- Event outputs for alarms and status monitoring

Online Pyrometers

- Fast Response
- Ability to measure a wide range of temperatures
- Good performance ratio
- Temperature range of -40°C ~ $+3300^{\circ}\text{C}$



Portable Pyrometer

- Fast response time
- Good performance ratio
- Temperature range: -50°C ~ $+3000^{\circ}\text{C}$



Thermocouple

Customisable with variety of types
Temperature range: -200°C ~ $+1800^{\circ}\text{C}$
Insulation: Ceramic beads/tube/MgO
Compatible with various indicators



RTD Elements

- High Accuracy and Repeatability
- Long Term Stability
- Wide Interpolated Surface
- Temperature Range -70°C ~ $+500^{\circ}\text{C}$

Gas Sensors



Application: TGS2616

- High-performance for general plant safety
- Proximal gas detecting
- Wide detection for gas appliances
- Longer life, excellent electronic for fuel cells

Application: KELF

- Combustion gas environmental monitoring
- Refrigeration & greenhouse applications
- Oxygen leak safety for education
- Artificial cerebelloid & medical use



Application: FCM2600

- Refrigerant gas leak detection
- In air conditioning/refrigeration



Application: TGS5141

- Residential and Commercial CO detection
- Fire detection
- Safety measures for lithium-ion batteries



Application: CDM7162

- Indoor air quality monitor
- Fresh air ventilators
- Air conditioner
- Automotive fans and indoor opens
- Safety measures for lithium-ion batteries



Portable Gas Detectors



Features

- Detects 1 to 6 different gases in ppm
- Compact and durable design
- Suitable for non-destructive
- Audible and visual warnings
- Rechargeable battery
- Screen displays data clearly

Application

- Oil & Gas - Oil leak, petrol, diesel
- Chemicals - Gas leak, solvent
- Mining
- Shipbuilding - Pre-entry gas inspection
- Tunnel - Environment gas inspection

XP-3000 Series

XA-4000 Series

- Detects up to 6 types of gases
- Built-in test and self-diagnosis
- 10+ pages response
- Low maintenance support



Photo Sensors



Taiwan
WinMATE

Winmate Inc.

H12

H5

ION CONTROL CO., LTD.

Motor Integrated
drive (open loop)

HPB MOTOR

AC VECTOR MOTOR/AC SPINDLE MOTOR
• Output torque 100N - 2000Nm from 0.5 to 200
• Compact with high output torque, high overload capacity
• Compact & Peak Torque at overload
• High Overload Speed Range

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TOSHSENS

The trustworthy name...

**Environment
Sensors**



- Detect and visualises various environmental parameters
- Switch between continuous measurement and 1 minute batch measurement
- Equipped with an activated carbon filter for zero adjustment
- Zero Status bar graph display is required

Data Logger

- USB and waterproof types available
- Variety of measurement items: measure temperature, pressure, UV, etc.
- Compact and environment-friendly design



Mass Flow Controller

- Accurate flow measurement
- Wide flow ranges
- Fast Response
- Multi-Gas/Multi-Range

Particle Sensor

- Smallest sensor ever
- Digital output by UART communication
- Optical Design and MCU for better accuracy
- Long operating life time high reliability



Solid State

- High reliability
- High speed
- High frequency
- Operates on low signal
- Excellent resistance for impact vibration

TOSHSENS
trustworthy name...

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The trustworthy name...

Have an inquiry?



toshniwalsensors.com



tsdpl.com



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ROLLON
BY TIMKEN



FIRE EXIT

AUTOMATION EXPO 2024

SAMYAK INSTRUMENTS
OIB

PUI PUD

PROTOCOL CONVERTER
Legacy System Integration Across Multiple

