Panasonic

Sensors & Ionizer Solutions Catalog

For Laboratory Automation

We offer a variety of products that can be applied to clinical diagnostics & liquid handling instrument.

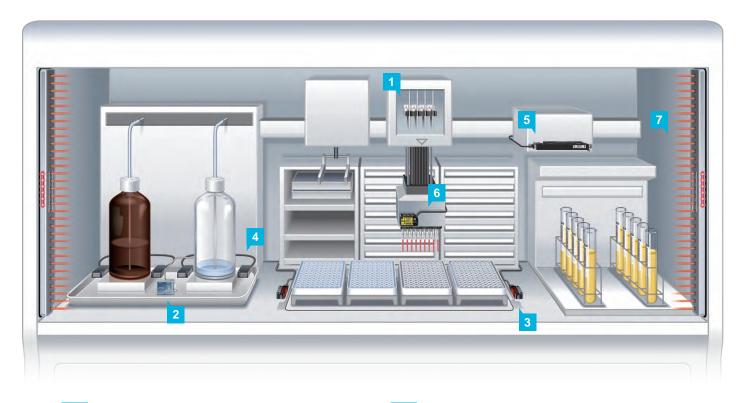




For Laboratory Automation

Our many years of advanced technology and know-how in the Factory Automation (FA) industry have led to a wide range of applications.

Panasonic sensors can be integrated with clinical diagnostics & liquid handling instrument, contributing to laboratory automation.







Optical Bubble Sensor (For small diameter tubes) Amplifier Built-in

BE-A Series

Air (bubbles)/Liquid can be detected simply by mounting the sensor onto the ø2 / ø3 / ø4 mm ø0.078 / ø0.125 / ø0.156 in tube. Also ideal to detect when reagent or washing liquid runs out.

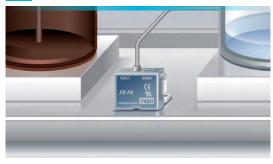
[Related Products]

Pipe-mountable Liquid Level Detection Sensor Amplifier Built-in

EX-F1

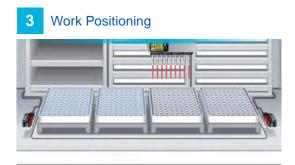
Mountable on the ø6 to ø13 mm ø0.236 to ø0.512 in transparent pipe.

2 Leak Detection



Leak Sensor Amplifier Built-in EX-F60 Series

Even small liquid leaks can be detected simply by connecting the sensor. No sensitivity adjustment required. This compact and space-saving sensor can also be used in narrow spaces. * For a list of liquids which can be detected, please contact us.



Ultra-compact Laser Sensor Amplifier Built-in

EX-L200 Series

Distinctive features of these lasers include their high degree of directionality and visibility. Ultra-compact in size, yet provides high-precision detection performance. Ideal for positioning microplates.

[Related Products]



Ultra-minute Photoelectric Sensor

Amplifier Built-in EX-Z Series

This ultra-slim photoelectric sensor (only 3 mm 0.118 in in thickness) can be mounted in a very small space. Ideal for detection in test tube racks.



Ultra-small, U-shaped Micro Photoelectric Sensor Amplifier Built-in

PM-25 Series

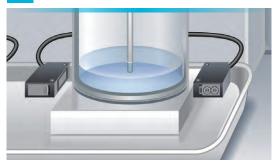
Resin-filled structure helps prevent malfunctions caused by vibrations and impacts. Ideal for detection of overrun and starting points in operating units.



Convergent Reflective Micro Photoelectric Sensor Amplifier Built-In PM2 Series

Even a specular background does not affect the sensing performance if the sensor is located 30 mm 1.181 in away from it.

4 Liquid Empty Detection





BE-R Series * NEW

This optical sensor can detect liquid level in safety. There are no malfunction caused by crystallization and no trouble caused by corrosion.

* This is a special order item.

For more information, please email us at:

Europe: biomedical@eu.panasonic.com

North America: biomedical@us.panasonic.com

5 Static Charge Removal from Test Tubes and Microplates



Area Ionizer Pulse AC Method

ER-X Series

This airless operating ionizer can remove static charge from the target object without worry of volatilization of valuable reagents or dispersion of contaminants.

[Related Products]



Compact Fan Type Ionizer High-frequency AC Method

ER-Q Series

Not need for compressed air. This palm-sized ionizer can be mounted just like a sensor.

6 Control of the Dispenser Nozzle Height

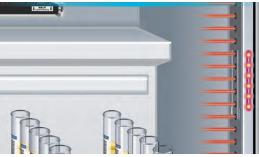


Micro Laser Distance Sensor CMOS Type

HG-C Series

Reliable detection in repeatability 10 μm 0.394 mil. This industry's smallest* sensor is also ideal for built-in installation. * As of May 2015, in-company survey.

7 Operator Safety Measures



Ultra-slim Safety Light Curtain Category 4 PLe SIL3

SF4C Series

Safety light curtain ensures safety by automatically stopping a machine whenever a part of body is detected. The slim design (thickness 13 mm 0.512 in) provides a wide machine opening and improved workability.

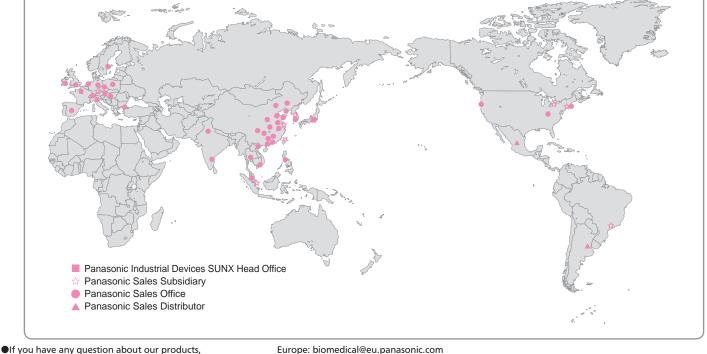
At Panasonic Industrial Devices SUNX, we strive to build a brighter future by creating new values that have never existed before, with the support of our customers.

With the comprehensive strength obtained from our sensing, laser and image processing technologies, high speed laboratory automation with greater efficiency can be achieved. And, our integrated controller/web-server technology allows one to view the control status of the controller and collected information via an electronic tablet or computer over an Internet browser. By monitoring the condition of the equipment, maintenance performance can be improved.

Products Contributing to Automation Safety Light Curtain Laser Displacement Sensor Combines a high standard Implements high-precision measurement of safety with productivity. resolution of 0.25 µm. Machine Vision System Provides super-high-speed, high-precision Laser Marker image processing in a system Provides that can be reconfigured on the fly. high-quality marking and Static Remover processing at high Uses a high-frequency AC 10 speeds. system to deliver exceptional static removing capacity. UV Curing System Delivers consistent UV rays to targets using temperature feedback and an LED head. **Obstacle Detection** Sensor This photoelectric sensor helps prevent collisions between automated auided vehicles. **Ultra-minute Photoelectric Sensor** Temperature Can be installed in extremely Controller confined spaces thanks to Delivers a range of a thickness of just 3 mm **Eco-Power Meter** functionality in a Ultra-Compact PLC 0.118 in. Supports multi-axis Monitors power consumption compact within a facility and generates position control, **Human Machine Interface** package. tracking data, helping visualize temperature control, Combines elegant design with unproductive power use. and networking. superior operability.

Sales Network

We, Panasonic Industrial Devices SUNX Co., Ltd. provide products, technologies, and services through the worldwide Panasonic sales network, which encompasses the Americas, Europe, China, and Southeast Asia, etc. We've put in place local support organizations staffed by technical specialists and are proud to offer technical supports and other services based on our customer-first philosophy.



If you have any question about our proplease contact us by E-mail.

Europe: biomedical@eu.panasonic.com North America: biomedical@us.panasonic.com

2018.01 panasonic.net/id/pidsx/global

Panasonic Industrial Devices SUNX Co., Ltd. Global Sales Department

2431-1 Ushiyama-cho, Kasugai-shi, Aichi, 486-0901, Japan ■Telephone: +81-568-33-7861 ■Facsimile: +81-568-33-8591 All Rights Reserved ©Panasonic Industrial Devices SUNX Co., Ltd. 2018