Panasonic

INDUSTRY

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Austria	+43 223626846
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Czech and Slovakia	+420 541 217 001
France	+33 1 60 13 57 57
Germany	+49 89 45 354 1000
Italy	+39 0456752711
Poland and CEE countries	+48 42 230 96 33
Spain and Portugal	+34 913293875
Switzerland	+41 417997050
United Kingdom and Ireland	+44 1908 231555

Customers from other countries may contact our European headquarters

Panasonic
INDUSTRY

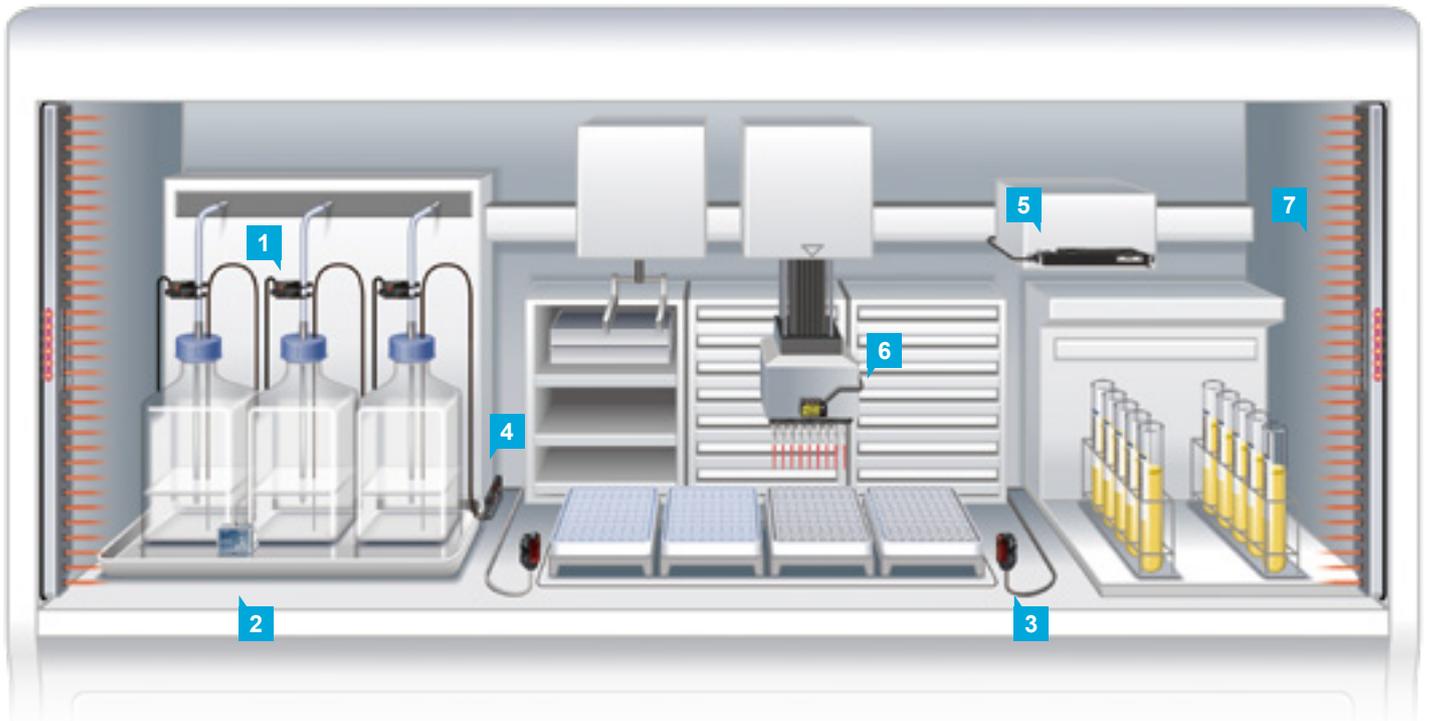# Laboratory Automation

Sensors & Ionizer Solutions Catalog

IN Your Innovation

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 laboratory testing devices and liquid conveyance equipment, contributing to device automation.

1 Detecting the Liquid Level in a Pipe

Pipe-mountable Liquid Level Detection Sensor

Amplifier Built-in

EX-F1

Liquid/air (bubbles) can be detected simply by mounting the sensor onto the pipe. Also ideal to detect when a liquid reagent or cleaning solution runs out.

* For tubes less than 4 mm 0.157 in in diameter and micro bubble detection, please feel free to contact us.
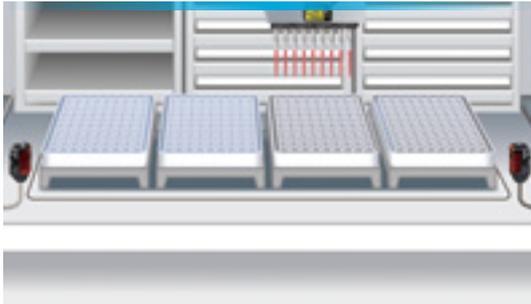
2 Detection of Chemical Solution Leaks

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.

3 Work Positioning

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-slim Photoelectric Sensor

`Amplifier Built-in`

EX-10 Series Ver.2

This ultra-slim photoelectric sensor (only 3.5 mm 0.138 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-24 Series

This ultra-small photoelectric sensor enables space saving. Ideal for detection of overrun and starting points in operating units.
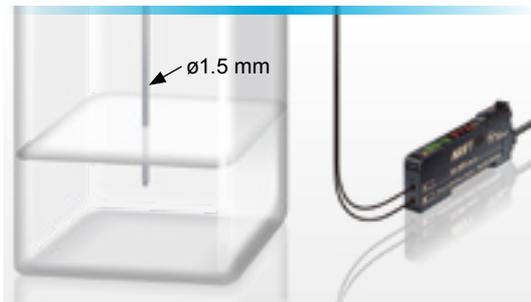
Rectangular-shaped Inductive Proximity Sensor

`Amplifier Built-in`

GX-F/H Series

This IP68 rated sensor has strong water and environmental durability. Able to withstand considerable shock and vibration, it is ideal to confirm chucking performed by a robot arms, etc.

4 Detection of Any Remaining Liquid in a Solution Bottle

ø1.5 mm

Contact Liquid Level Detection
Fiber & Digital Fiber Sensor

FX-500 Series Ver.2

This sensor features a fluorine resin coated fiber head, and can be used for different types of solution. With a 1.5 mm 0.059 in fiber head, the sensor can also be used for small bottles.

5 Static Elimination in Test Tubes and Microplates

Area Ionizer

`Pulse AC Method`

ER-X Series

This airless operating ionizer can eliminate static electricity on the target object without worry of volatilization of valuable reagents or dispersion of contaminants.
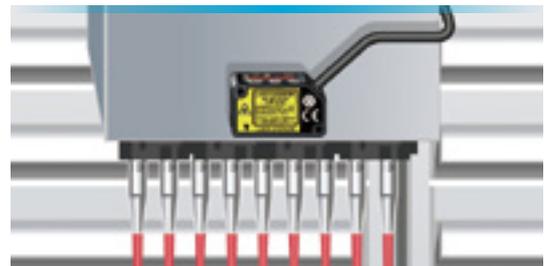
[Related Products]

65 mm

Compact Fan Type Ionizer

`High-frequency AC Method`

ER-Q Series

Fan-type ionizer is also part of our product lineup. 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

Achieving high-precision measurement to an order of 1/100 mm for greater precision performance than conventional adjustable range reflective sensors. This industry's smallest* sensor is also ideal for built-in installation.   * As of March 2014 (according to our data)

7 Operator Safety Measures

Ultra-slim Light Curtain

`Type2`

SF2C Series

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