

INLABTECH JAPAN LLC
4-6-11 Yushima, Suite A205, Bunkyo-ku,
Tokyo, JAPAN
TEL : +81-3-4405-1703
FAX : +81-3-4405-1704

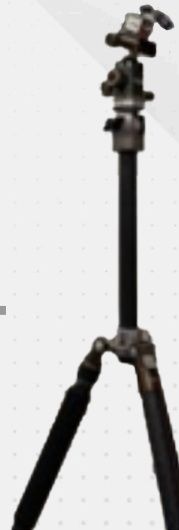
TEMPERATURE

HUMIDITY

H2O2

AUTOMATIC SENSOR CONTROL

DRY FOG GENERATOR



WHY DO WE NEED STERILIZATION?

In general, aseptic preparation and manufacturing facilities, such as biosafety, laboratories, animal breeding facilities, internal laboratory, and production rooms needed to meet standard such as Good manufacturing practice(GMP), and Biological Safety Level(BSL-3), require sterilization control.

As well, sterilization is necessary for hospitals and health care facilities dealing with progeny which are sensitive to secondary infections and viral transmission.

WHERE DO WE NEED STERILIZATION?



WHAT IS STERILIZATION?



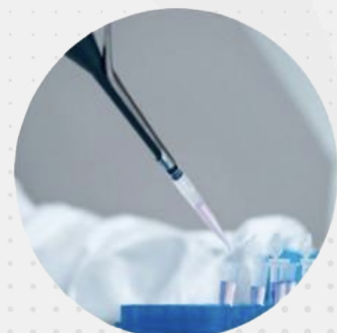
SANITIZATION

TWO log = 10⁻²
Using water mixed detergent for decontamination.



DISINFECTION

FIVE log = 10⁻⁵
Killing microorganisms except *spore of bacteria



STERILIZATION

SIX log = 10⁻⁶
Killing both microbes and *spore
= Sterilization

A SUPERIOR, SAFE, ENVIRONMENTALLY FRIENDLY SOLUTION

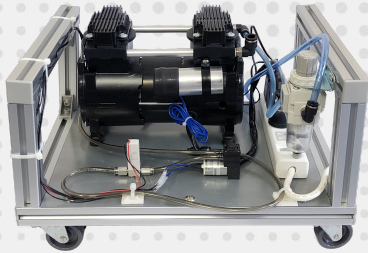
Dry Fog Generator consists of low concentration 7% hydrogen peroxide which has less after effects in temperature, humidity, and lower PPM than general fumigation and plasma system, so it's safer and requires much shorter ventilation time .



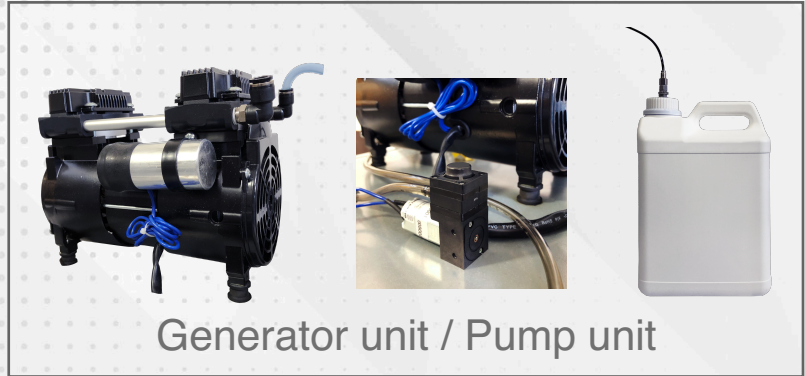
WITH 2 AVAILABLE COMBINATIONS

① TEMPERATURE / HUMIDITY SENSOR

A combination of a temperature / humidity sensor with a recorder enabling automatic control of the generator / pump unit within the set humidity range.



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↕ automatic control



Recorder Yokogawa GM-10 series
Data(CSV output)

- Temp.
- Humidity



Temp/Humidity sensor
Vaisala HMP110

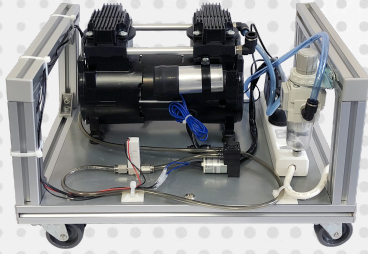
Temp range : -40~80°C

Humidity range : 0~100%RH

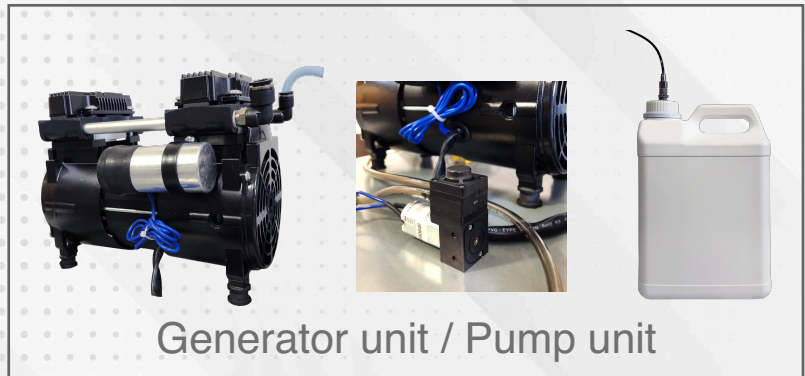


② H2O2 SENSOR

A combination of a H2O2 sensor with a recorder enabling automatic control of the generator / pump unit within the set humidity range.



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Generator unit / Pump unit

↕ automatic control



Recorder Yokogawa GM-10 series
Data(CSV output)

- Temp
- Humidity
- Hydrogen Peroxide (H2O2)

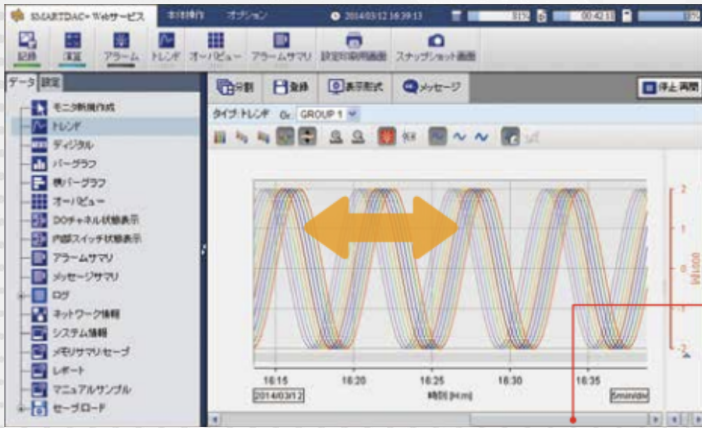


H2O2 sensor
Vaisala HPP270
Temp range : 5~50°C
Humidity range : 0~100%RH
H2O2 concentration range : 0~2,000ppm



REALTIME MONITORING & ONLINE SETTING VIA WEB BROWSER

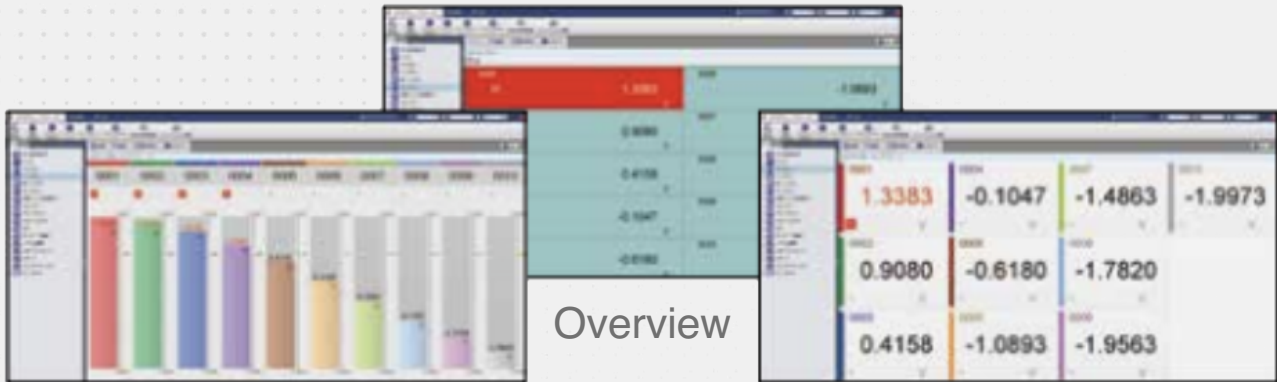
Providing easy temperature and humidity real time monitoring via web browser. No software installation required. (H2O2 concentration can also be monitored using the optional H2O2 sensor.)



Real Time Monitoring Page

With scrolling bar, data graphs from past to present can be viewed seamlessly.

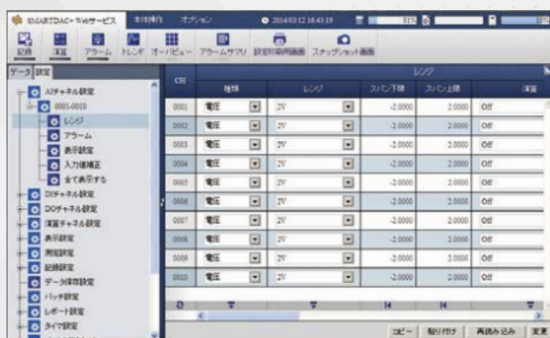
With 1second data scale, the data can be displayed in the duration up to one hour.



Bar Graph

Digital

Upper humidity limit and lower limit humidity can be set by the recorder to automatically control the pump / generator unit. (H2O2 sensor automatic control is also available with H2O2 concentration option.)



Data can be easily copied and edited in Excel.

	A	B	C	D	E	F	G	H	I	J	K	L
1	1	RTD	PH00	0	150	Off	1	2	0	100	off	
2	2	RTD	PH00	0	150	Off	1	2	0	100	off	
3	3	RTD	PH00	0	150	Off	1	2	0	100	off	
4	4	RTD	PH00	0	150	Off	1	2	0	100	off	
5	5	RTD	PH00	0	150	Off	1	2	0	100	off	
6	6	RTD	PH00	0	150	Off	1	2	0	100	off	
7	7	RTD	PH00	0	150	Off	1	2	0	100	off	
8	8	RTD	PH00	0	150	Off	1	2	0	100	off	
9	9	RTD	PH00	0	150	Off	1	2	0	100	off	
10	10	RTD	PH00	0	150	Off	1	2	0	100	off	