



*Hygienic & Clean  
Air Sampler*



# MICROBIOLOGICAL AIR SAMPLER

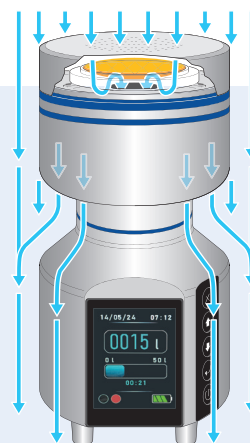
PORTABLE version



# MAIN FEATURES

## Suitable design for CONTROLLED ENVIRONMENTS

- ▶ Screw-less design
- ▶ Electropolished Stainless steel 316L grade
- ▶ FDA approved Gasket



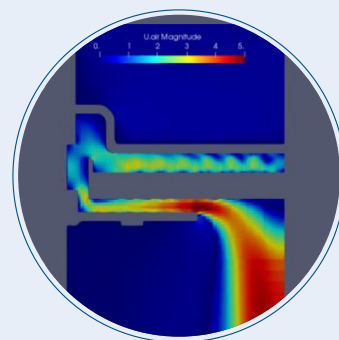
## Tested according to ISO 14644-14 for particle emissions

- ▶ Suitable for Grade A (ISO5) clean rooms



## Validated according to EN17141 and ISO 14698 by external competent laboratory

- ▶ d50 value smaller than 2µm for all the configurations
- ▶ High biological efficiency



## VHP resistant

- ▶ Tested both in steady and running mode



# DATA INTEGRITY

## AUDIT TRAIL

- ▶ Up to 24000 events recorded
- ▶ Filtering by time or user



### AUDIT TRAIL del 24 Sep 2023

```
* HyCLAS 100 * SN: 0000001
ALL RECORDS
-----
00417 23Sep2023 16:16:54 adm01
Erase audit trail
00418 23Sep2023 16:17:24 adm01
admin02 created
00419 23Sep2023 16:17:24 adm01
admin03 created
00420 23Sep2023 16:17:24 adm01
admin04 created
00421 23Sep2023 16:17:24 adm01
admin05 created
00422 23Sep2023 16:17:54 adm01
user01 created
00423 23Sep2023 16:17:54 adm01
user02 created
00424 23Sep2023 16:17:54 adm01
user03 created
00425 23Sep2023 16:17:54 adm01
user04 created
```

Audit Trail on PDF File

23 Feb 2023 14:02

AUDIT TRAIL 00001/00002

```
00001 22Feb2023 13:11:06 adm01
admin01 created
00002 22Feb2023 13:15:16 adm01
Change admin01 password
00003 22Feb2023 13:22:54 -----
Wrong password user01 1/3
00004 22Feb2023 13:36:47 adm01
admin01 created
00005 22Feb2023 13:50:31 adm01
Set Volume1
00006 22Feb2023 13:58:14 adm01
user01 created
```



Audit Trail on Air Sampler Display

## ACCESS LEVEL

- ▶ Three levels access: User, Supervisor, Administrator
- ▶ Configurable access permissions



|   | Function         | User                                | Supervisor                          | Administrator                       |
|---|------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| ▶ | SELECT VOLUME    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|   | MODIFY VOLUME    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|   | SELECT DELAY     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|   | SELECT MULTIMODE | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|   | MODIFY MULTIMODE | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|   | SELECT LANGUAGE  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

## LIMS

- ▶ Fully integrable in LIMS systems
- ▶ Serial-to-LAN option



## ROOM/LOCATION

- ▶ Up to 2000 room/location combinations

23 Feb 2023 14:02 

**ROOM1 LOCATIONS**

LOC2

LOC3

LOC4

....

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23 Feb 2023 14:02 

**SAMPLING ROOM**

ROOM2

ROOM3

ROOM4

....

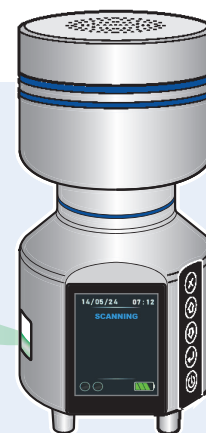
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# ACCESSORIES

## 2D barcode scanner

- ▶ Superior traceability with integrated reader for plate with barcode



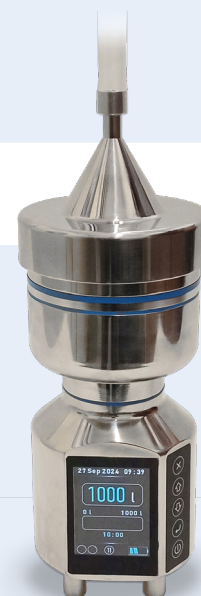
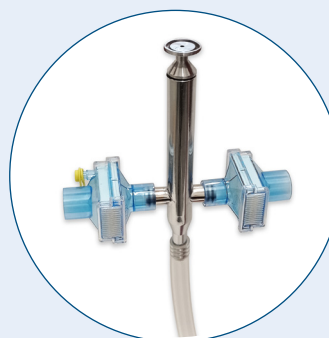
## Bluetooth™ printer

- ▶ Print sampling data and Audit trail directly



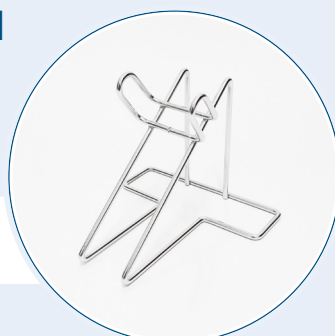
## Compressed gas

- ▶ Connect the HYCLAS to compressed air system

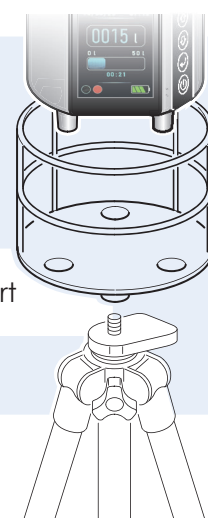


## Table and Tripod stand support

- ▶ Table stand support



- ▶ Tripod stand support



# SPECIFICATIONS

| SPECIFICATION            | Hyclas 100                                         | Hyclas 180                                         |
|--------------------------|----------------------------------------------------|----------------------------------------------------|
|                          | PS100-2L-P                                         | PS180-2L-P                                         |
| Flow rate                | 100L/min $\pm 5\%$                                 | 180L/min $\pm 5\%$                                 |
| Sampling time            | 1000L/10min                                        | 1000L/5.5min                                       |
| Autonomy                 | 8hours                                             | 4hours                                             |
| Dimensions               | Ø103mm/h250mm                                      | Ø103mm/h250mm                                      |
| Weight                   | 2,6kg                                              | 2,6kg                                              |
| Material of Construction | Electropolished stainless steel 316L grade         | Electropolished stainless steel 316L grade         |
| Display                  | 2,4" High contrast TFT display                     | 2,4" High contrast TFT display                     |
| Plate type               | Petri Ø90mm / Contact Ø55mm                        | Petri Ø90mm / Contact Ø55mm                        |
| Type of sampler          | Impact sieve sampler                               | Impact sieve sampler                               |
| Settable volume          | 1-2000L                                            | 1-2000L                                            |
| Export data              | USB-LIMS                                           | USB-LIMS                                           |
| Data integrity           | Audit Trail/                                       | Audit Trail/                                       |
| Battery type             | Removable Lithium-Ion rechargeable                 | Removable Lithium-Ion rechargeable                 |
| Supplied battery         | 2                                                  | 2                                                  |
| Compliance               | ISO14698-1, EN 17141, 21 CFR Part 11, ISO 14644-14 | ISO14698-1, EN 17141, 21 CFR Part 11, ISO 14644-14 |
| Sampling records         | 9999                                               | 9999                                               |
| Audit trail events       | 24000                                              | 24000                                              |
| Sampling locations       | 2000                                               | 2000                                               |