TECHNICAL DATASHEET

# ActiveCount

## MICROBIAL SAMPLERS

The ActiveCount family is a set of high performance portable active air samplers suitable for use in cleanrooms and aseptic environments. They offer self-adjusting flow control to ensure accurate sampling, as well as continous and periodic sampling modes for optimum sampling flexibility.

ActiveCount100H and ActiveCount25H come with HEPA filtered exhaust, a removable magnetic baseplate[1], a stainless steel sampling head and dust cover. All sampling heads, dust covers, and the removable magnetic baseplate[1] are autoclavable, which along with the sanitizable stainless steel enclosure ensure the ActiveCount will not contaminate your environments.

The ActiveCount HEPA units are truly ISO 14698 compliant with a d50 collection efficiency of 1 micron and HEPA filtered exhaust ports designed to avoid re-aspiration of sampled air.

The optional remote sample head minimizes disturbance of unidirectional airflow within a BSC or laminar flow bench and the gas sample option provides the versatility needed to accomplish all your critical sampling requirements.

### FEATURES

- 3.5 inch (8.9 cm) color touch screen
- 8 programmable sampling volumes
- 50 programmable user names
- 400 programmable location names
- Flow rate alarming
- Data logging to USB flash drive
- Password security for sample settings
- Autoclavable sampling head and dust cover
- 24 VAC adapter or internal battery with 8-10 hours normal use[2]
- Continuous, Periodic and Gas sampling modes
- Wipedownable and suitable for sterile conditions
- HEPA filtered exhaust
- ISO 14698-1 compliant
- Removable baseplate[1], magnetic and autoclavable

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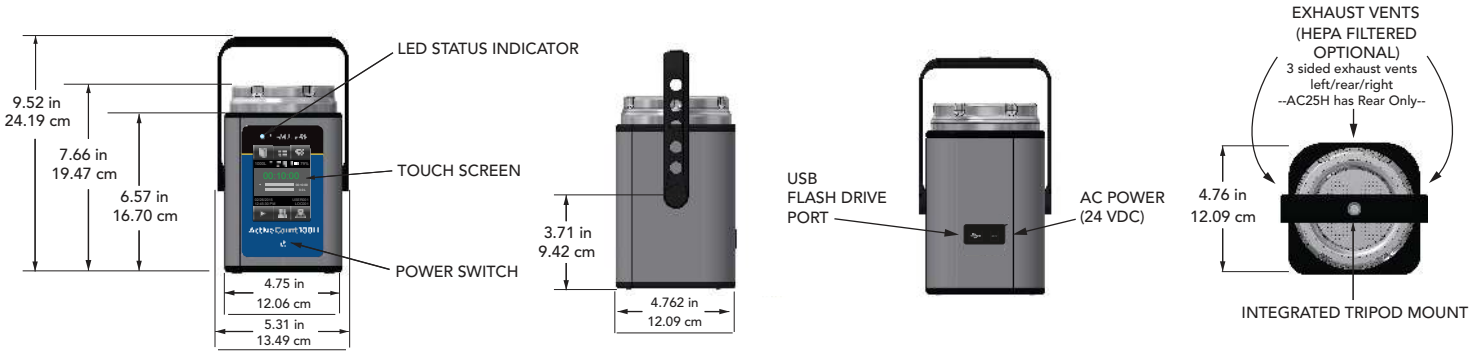


**T E C H N I C A L  D A T A S H E E T**

# ActiveCount Microbiological Sampler With HEPA Filtered Exhaust

| Features | ActiveCount100H | ActiveCount25H |
|---|---|---|
| **Flow rate** | 100 liters/minute ± 4%[3] | 25 liters/minute ± 5%[3] |
| **Impactor Head** | 316L Stainless Steel with 300 holes, 19m/sec, d50: 1µm | 316L Stainless Steel with 88 holes, 19m/sec, d50: 1µm |
| **Dust Cover** | 316L Stainless Steel, autoclavable | |
| **Baseplate** | Removable, magnetic, autoclavable | |
| **Exhaust** | HEPA filtered, captures 99.97% of particles at 0.3 µm | |
| **Battery** | 8 Hrs. continuous, 10 Hrs. normal sampling[2], Li-ion rechargeable, 4 Hrs. charge time | |
| **Weight** | 6.75 lbs | |

| | |
|---|---|
| **Petri dish compatibility** | Compatible with standard 90 mm petri dish (85mm-92mm), includes adjustment tool |
| **Sample volume presets** | 8 programmable volume presets |
| **User names** | 50 programmable user names |
| **Location names** | 400 programmable location names |
| **Display** | 3.5 inch (8.9 cm) color touch screen |
| **LED light** | RGB LED light for status, alerts and alarms |
| **Speaker** | Adjustable speaker volume |
| **Time/Date formats** | Time format 12 or 24 hours, Date formats YYYY/MM/DD, MM/DD/YYYY, DD/MM/YYYY |
| **USB port** | USB 2.0 port (8 GB flash drive included) |
| **Data records** | Unlimited; saved on USB flash drive in .csv file format |
| **Log file data fields** | Start date, time, location, user, sample duration, flow duration, volume, cycles, status |
| **Handle - monopod mountable** | Monopod mountable handle 3/8-16, includes 1/4-20 threaded adapter |
| **Enclosure** | 316L Stainless Steel |
| **Power** | 24 VDC power adapter (100-240V ~ 1.5A 50-60Hz) |
| **Calibration** | Annual |
| **Operating environment** | 0-90% humidity non condensing, 0-40°C sampling, 0-35°C charging |
| **Dimensions** | 7.6"(h) x 4.7"(w) x 4.7"(d) [19.4 (h) x 12.0 (w) x 12.0 (d) cm] |
| **Carry case** | Seahorse case with Lighthouse Worldwide Solutions logo |

[1] Patent Pending
[2] Normal sampling use is defined as sampling 10 minutes, pausing 5 minutes, and repeating.
[3] Monitored by a digital flow sensor.

**Included:** ActiveCount Unit, sample head, dust cover, baseplate, blower inlet seal (HEPA units only), petri dish adjustment tool, 1/4-20 threaded monopod adapter, 24 VDC power adapter with cord, Operators Manual on 16 GB USB flash drive, calibration certificate, carry case.

**Optional:** Remote sampling adapter with ISO probe, compressed gas sampler, tubing, cleanroom monopod, IQ/OQ protocols.

**Distributed By:**

MADE IN USA

Lighthouse Worldwide Solutions reserves the right to change specifications without notice.

**www.golighthouse.com** 1-800 945 5905 (Tollfree)
info@golighthouse.com 1-541 770 5905 (Outside of USA)

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