

ActiveCount

M I C R O B I A L S A M P L E R S



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 continuous and periodic sampling modes for optimum sampling flexibility.

ActiveCount units are available in HEPA (H) and non-HEPA versions. The non-HEPA ActiveCount comes with a choice of aluminum or stainless steel sampling head and dust cover, while the HEPA units are all stainless steel. All sampling heads, dust covers, and the removable magnetic baseplate¹ (HEPA units only) 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.

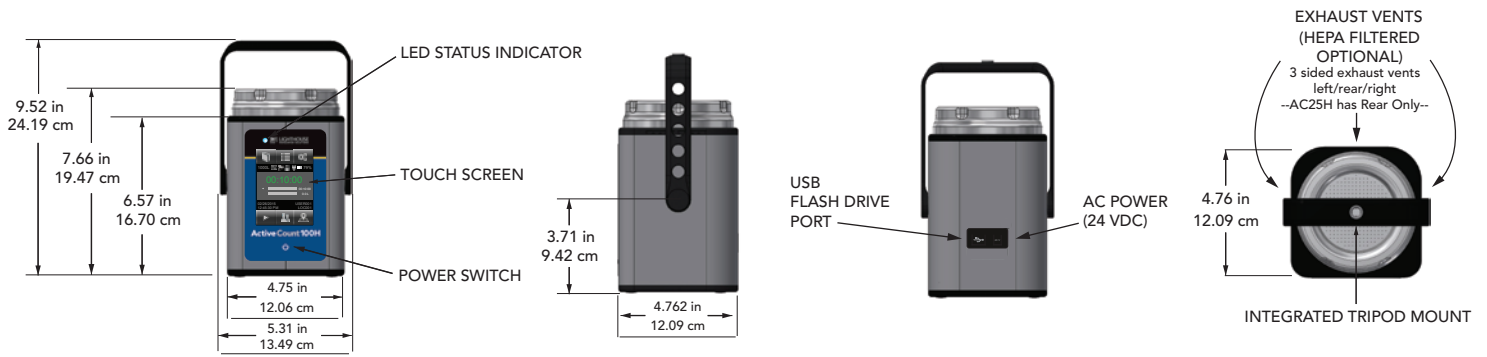
The optional remote sample head minimizes disturbance of unidirectional airflow within a BSC or laminar flow bench and the gas sample option provides the versatility needed to accomplish all your critical sampling requirements.

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 use²
- Continuous, Periodic and Gas sampling modes
- Wipedownable and suitable for sterile conditions

HEPA UNIT

- HEPA filtered exhaust
- ISO 14698-1 compliant
- Removable baseplate¹, magnetic and autoclavable



TECHNICAL DATASHEET

ActiveCount Microbiological Sampler With Optional HEPA Filtered Exhaust

Features	AC100	AC100H	AC25H
Flow rate	100 liters/minute \pm 4% ³	100 liters/minute \pm 4% ³	25 liters/minute \pm 5% ³
Autoclavable Impactor Head	Aluminum with 300 holes, 19m/sec (316L Stainless Steel available)	316L Stainless Steel with 300 holes, 19m/sec	316L Stainless Steel with 88 holes, 19m/sec
Autoclavable Dust Cover	Aluminum (316L Stainless Steel available)	316L Stainless Steel	
Baseplate	Non-removable	Removable, magnetic, autoclavable	
Exhaust	Non-filtered	HEPA filtered, captures 99.97% of particles at 0.3 μ m	
Battery	6 hrs. continuous, 8 hrs. normal sampling ² , Li-ion rechargeable, 4 hrs. charge time	8 Hrs. continuous, 10 Hrs. normal sampling ² , Li-ion rechargeable, 4 Hrs. charge time	
Weight	5.80 lbs (AL), 6.75 lbs (SS)	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:



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

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