

# ActiveCount100H

MICROBIAL SAMPLER WITH HEPA FILTERED EXHAUST



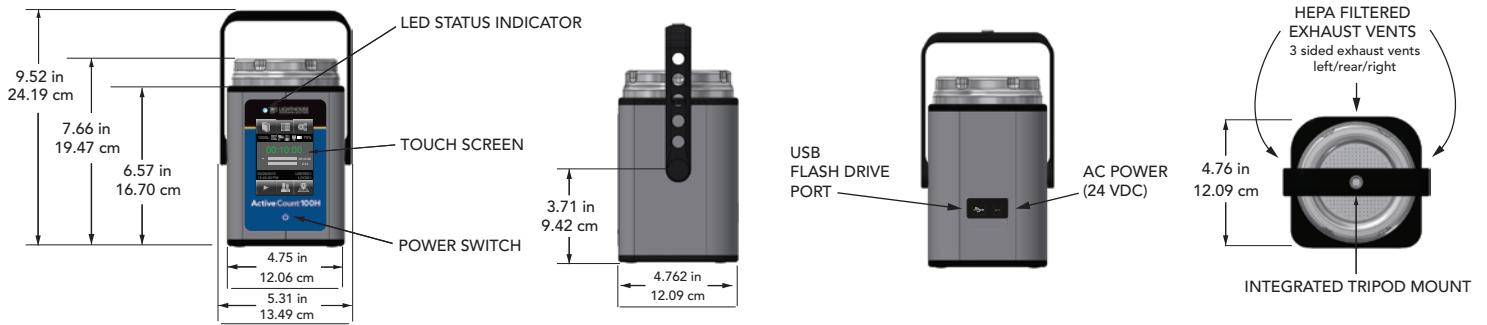
**A**ctiveCount100H is a high performance portable active air sampler suitable for use in cleanrooms and aseptic environments. The ActiveCount100H is truly ISO 14698 compliant with a d50 collection efficiency of 1 micron and HEPA filtered exhaust ports designed to avoid re-aspiration of sampled air.

ActiveCount100H offers self-adjusting flow control to ensure accurate sampling as well as continuous & periodic sampling modes for optimum sampling flexibility. The autoclavable impactor head, dust cover and removable baseplate together with a sanitizable stainless steel enclosure and HEPA filtered exhaust; ensure ActiveCount100H will not contaminate your critical environments.

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
- ISO 14698-1 compliant
- HEPA filtered exhaust
- 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
- Removable autoclavable magnetic baseplate
- 24 VAC adapter or internal battery 10 hours normal use
- Continuous, Periodic and Gas sampling modes
- Wipedownable and suitable for sterile conditions



## TECHNICAL DATASHEET

### ActiveCount100H Microbiological Sampler With HEPA Filtered Exhaust

#### Features

<b>Flow rate</b>	100 liters/minute $\pm$ 4%
<b>Impactor head</b>	316L Stainless Steel 300 holes, 19 meters/second, autoclavable
<b>Dust cover</b>	316L Stainless Steel, autoclavable
<b>Removable baseplate</b>	Magnetically attached removable, adjustable, autoclavable
<b>Petri dish compatibility</b>	Compatible with standard 90 mm petri dish (85mm-92mm), includes adjustment tool
<b>Sample volume presets</b>	8 programmable volume presets
<b>User names</b>	50 programmable user names
<b>Location names</b>	400 programmable location names
<b>Display</b>	3.5 inch (8.9 cm) color touch screen
<b>LED light</b>	RGB LED light for status, alerts and alarms
<b>Speaker</b>	Adjustable speaker volume
<b>Time/Date formats</b>	Time format 12 or 24 hours, Date formats YYYY/MM/DD, MM/DD/YYYY, DD/MM/YYYY
<b>USB port</b>	USB 2.0 port (8 GB flash drive included)
<b>Data records</b>	Unlimited; saved on USB flash drive in .csv file format
<b>Log file data fields</b>	Start date, time, location, user, sample duration, flow duration, volume, cycles, status
<b>Active flow control</b>	Actively controlled air flow at 100 liters per minute
<b>Handle - tripod mountable</b>	Tripod mountable handle 3/8-16, includes 1/4-20 threaded adapter
<b>HEPA filtered exhaust</b>	HEPA filtered exhaust captures 99.97% of particles at 0.3 $\mu$ m
<b>Enclosure</b>	316L Stainless Steel
<b>Power</b>	24 VDC power adapter (100-240V $\sim$ 1.5A 50-60Hz)
<b>Battery</b>	8 Hours continuous sampling or 10 hours normal sampling use <sup>1</sup> , 4 hours charge time
<b>Weight</b>	5.80 lbs. (2.63 kg)
<b>Calibration</b>	Annual
<b>Operating environment</b>	0-90% humidity non condensing, 0-40 °C sampling, 0-35 °C charging
<b>Dimensions</b>	7.6"(h) x 4.7"(w) x 4.7"(d) [19.4 (h) x 12.0 (w) x 12.0 (d) cm]
<b>Carry case</b>	Pelican case with Lighthouse logo

<sup>1</sup>Normal sampling use is defined as sampling 10 minutes, pausing 5 minutes and repeating.

**Included:** ActiveCount100H, 316L stainless steel sample head, 316L stainless steel dust cover, removable baseplate, blower inlet seal, petri dish adjustment tool, USB 8 GB flash drive with cap, 1/4-20 threaded tripod adapter, 24 VDC power adapter with cord, operators manual on USB flash drive, calibration certificate, carry case.

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

**Distributed By:**



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