

MiniCapt®

Mobile Microbial Air Sampler



The MiniCapt Mobile Microbial Air Sampler allows the user to perform viable air sampling in cleanroom environments for classification and monitoring purposes.

Available in 3 different flowrate models, the MiniCapt Mobile Microbial Air Sampler is designed for any cleanroom, including critical environments such as ISO Class 5 and GMP Grade A.

This top tier instrument incorporates modern data management capabilities and an easy, interactive touchscreen interface. Installed with the latest DataAnalyst software, users can create trends based on final microbial counts, and be fully compliant with the ISO 14698 standard. Data is secure with uneditable file exports. Connecting to several accessories is easy, and cleanroom contamination is avoided with built-in HEPA filtration.

The impactor head design has 20 precision-cut radial slits and an adjustable height and plate diameter mechanism that allow the MiniCapt Mobile Microbial Air Sampler to be used with almost all manufactured agar plates, including glass Petri plates. The radial slits also ensure laminar flow, making false positive identification easier.

BENEFITS

Flexibility

- Multiple applications (isolator sampling, compressed gases, remote and handheld usages)
- Operates with BioCapt® Single-Use units
- Adjustable height and diameter mechanism for versatile Petri dish compatibility

Precision

- Meets ISO 14698-1
- Radial slit design ensures optimal recovery for microorganisms during sampling
- Immediate and easy detection of false-positive results
- Feller correction only above 57 CFU needed, max 3% overlap deviations at 200 CFU

Security

- No environmental contamination of critical control points with HEPA-filtered exhaust air
- Autoclavable 316L stainless steel impactor head

FEATURES

- Modern data and sample configuration management
- Multiple levels of security
- Trending of microbial and particle counts with DataAnalyst software (Version 3.0+)
- Uneditable data records, reports and file exports
- Error reduction with intuitive user interface and pre-configured sampling recipes

APPLICATIONS

- Microbial air sampling in cleanrooms and associated controlled environments
- USP 797 environmental viable-airborne particle testing
- Microbial monitoring of medical device manufacturing environments

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Specifications

MiniCapt	25M	50M	100M
Sampling flow rate	25 Liters/minute	50 Liters/minute	100 Liters/minute
Battery (Lithium ion) ¹	12 hours	7 hours	6 hours
Power supply	Input: 100 – 240 VAC, 50/60 Hz, 1.5 A		
Memory	3,000 Samples; 400 Areas/Locations; 50 Recipes		
Sampling modes	Volume or Time; Interval sampling		
Sampling interval	Time:	1 – 400 min	1 – 200 min
	Volume:	1 – 9999 L	1 – 9999 L
Communication	Modbus TCP; USB for data download; USB for printer connection		
Display	4.3" VGA (480 x 272) LCD with touchscreen		
Display Languages	English, French, German, Italian, Japanese, Korean, Spanish, Chinese (traditional or simplified), Russian, Portuguese		
Dimensions (h, w, d)	10.2 x 5.7 x 5.9 in (26.0 x 14.5 x 15.0 cm)		
Weight	4.6 lb (2.1 kg)		
Operating environment	Temperature: 32 – 104 °F (0 – 40 °C); Humidity: 10 – 90% RH		
Calibration interval	Recommended every 12 months		

¹Battery life based on sampling 10 minutes, pausing 5 minutes, and repeating.

BioCapt Impactor Head

Materials	AISI 316L Stainless Steel
Number of Inlets	20 (Precision-cut slits)

Accessories

Compressed Gas Sampling Kit
Isolator Monitoring Kit
Base Mounting Kit
Remote Sampling Kit for BioCapt Adjustable Height
Remote Sampling kit for BioCapt Single Use (25 and 50 LPM only)
Remote ISP Sampling Kit
Petri Dish Barcode Reader
External Printer Kit

Accessories



Compressed Gas Sampling Kit



Isolator Monitoring Kit



Remote ISP Sampling Kit



Base-mounted MiniCapt Mobile



Remote connection to BioCapt® Single-Use

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