

MiniCapt® EL

Mobile Microbial Air Sampler

Innovative, light mobile air sampler with modern data management capabilities

Without measurement there is no control



The MiniCapt® Entry Level (EL) microbial air sampler allows the user to perform viable air sampling in standard cleanroom environments for contamination monitoring purposes.

The sampler's housing and touchscreen have antibacterial properties limiting introduction of contamination from the device in line with current regulatory standards. Microbial activity testing was performed with *S. aureus* and *E. coli*, and saw a reduction of greater than 95% compared to previous models.

Incorporating functionalities from MiniCapt Mobile, MiniCapt EL is ideal for sampling in lower class clean zones, where microbial limits are allowed and data management is not critical (ex. ISO 8 cleanrooms, non-classified and non-sterile areas, etc). Storage of multiple locations and recipes is protected by a built-in, 3-layer user management system.

The impactor head design has 20 precision-cut radial slits and an adjustable height and plate diameter mechanism that allow MiniCapt EL 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.

MiniCapt EL ensures robust and reliable sampling in pharmaceutical, medical device, clinical, and food & beverage industries. Transition to the MiniCapt Mobile is made easy when critical control point protection, data management and compressed gas sampling becomes critical.

BENEFITS

- 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
- Adjustable height and diameter mechanism for versatile Petri dish compatibility
- Autoclavable 316L stainless steel impactor head
- Remote and handheld usage

FEATURES

- Antibacterial housing and touchscreen
- Modern data, sample and user configuration management
- Error reduction with intuitive user interface and pre-configured sampling recipes

APPLICATIONS

- Microbial air sampling in standard cleanrooms and associated controlled environments
- USP 797 environmental viable-airborne particle testing

MiniCapt® EL

Mobile Microbial Air Sampler

Specifications

Model	Mobile 25M	Mobile 50M	Mobile 100M	EL
Sampling flow rate	25 Liters/minute	50 Liters/minute	100 Liters/minute	
Battery (Lithium ion) ¹	12 hours	7 hours	6 hours	
Sampling interval				
Time:	1 – 400 min	1 – 200 min	1 – 100 min	
Volume:	1 – 9999 L	1 – 9999 L	1 – 9999 L	
Exhaust filter (HEPA)	Yes			No
Data import/export via USB	Yes			No
Compressed gas sampling	Yes (via accessory)			No
Plate barcode reader	Yes (via accessory)			No
External printer	Yes (via accessory)			No
DataAnalyst connectivity	Yes			No
Ethernet connectivity	Yes			No
Communication	Modbus TCP; USB for data download; USB for printer connection			None
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			
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

- Isolator Monitoring Kit
- Base Mounting Kit
- MiniCapt EL IQOQ
- Remote ISP Sampling Kit
- Remote Sampling Kit for BioCapt Adjustable Height

Accessories



Isolator Monitoring Kit

Remote ISP Sampling Kit



Base-mounted MiniCapt EL



Remote connection to BioCapt® Stainless Steel

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