



Advanced Test Equipment Corp.

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MiniCapt® Mobile

Mobile Microbial Air Sampler

Innovative, light mobile air sampler applying modern data management capabilities

Without measurement there is no control®

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

Available in three flowrate models, the MiniCapt Mobile 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. Connected with the latest DataAnalyst software, users can manage sampling data and microbial counts in a complete paperless solution. 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 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 for optimal microorganism recovery during sampling
- Immediate and easy detection of false-positive results
- Feller correction only above 57 CFU, max 3% overlap deviations at 200 CFU

Security

- HEPA-filtered exhaust ensures no environmental contamination of critical control points
- Autoclavable 316L stainless steel impactor head

FEATURES

- Modern data and sample configuration management
- Multiple levels of security
- Management of microbial counts and data analysis 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

MiniCapt® Mobile

Mobile Microbial Air Sampler

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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