

Sample Controller and Air Sampler Compatability Matrix

Controller (Part#)	Sampler Options	Sampler Part#	Sample Rate (Liters/min)	Maximum Sample Period (Minutes) ¹	Volume Collected- Max Sample Period (Liters/m3/ft3)	Remote Control
V100	R2S	V100.R2S.28	28.3	60	1700 / 1.7 / 60	Infrared
		V100.R2S.50	50	20 40	1000 / 1 / 35 2000 / 2 / 70	
		V100.R2S.100	100	10 20	1000 / 1 / 35 2000 / 2 / 70	
	RAS	V100.RAS.28	28.3	60	1700 / 1.7 / 60	Infrared
		V100.RAS.50	50	20	1000 / 1 / 35	
		V100.RAS.100	100	10	1000 / 1 / 35	
	RCG	V100.RCG.28	28.3	60	1700 / 1.7 / 60	Infrared
		V100.RCG.50	50*	20 40	1000 / 1 / 35 2000 / 2 / 70	
		V100.RCG.100	100	10 20	1000 / 1 / 35 2000 / 2 / 70	
SCS²	V100.SCS.28	28.3	60	1700 / 1.7 / 60	Infrared	
	V100.SCS.100	100	10	1000 / 1 / 35		

1. Test Delay/Hold/Run function allows for extension of total sample period to 120 Minutes per test plate.

2. The SCS (Sterile Cassette System) is a product currently in late development stages

* For Compressed Air/Gas Monitoring the RCG operates only at 50 LPM

New Product in Development

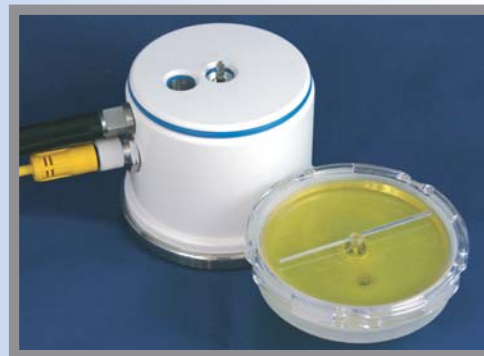
Sterile Cassette System (SCS)

The Sterile Cassette System (SCS) incorporates the EMTEK single use, sterile, Slit-to-Agar Impaction Sampling Cassette (Patent Pending). The Sterile Cassettes (SC) will come double bagged and sterile irradiated. This self contained sampling cassette is ideal for your most critical areas.

For operation the cassette is removed from its packaging and placed on the SC Base assembly, which supplies vacuum and turntable rotation for the cassette, from the V100 Controllers. The desired sample inlet for either a 28.3 or 100 LPM sample rate is uncovered and then sampling is performed. The inlet seal is then replaced and the plate is packaged for transport to the lab for incubation.



- SC Base Constructed of Aluminum/316 SS
- Exterior finish of White Epoxy/Polyester
- Blue Fluorosilicone O-Ring Seals
- Weight of 2.5 Pounds
- Dimensions of 3.5" Height x 4.25" Diameter
- Base is Chemically Sanitizable
- 0-60 minutes of monitoring per sample cycle
- Operates at Sample Rates of 28.3 & 100 LPM
- Sterile Cassette/32 mL media fill of TSA
- Cassette is 0.75" H x 3.75" OD



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Microbial Air Sampling Solutions for Critical Environments



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EMTEK V100 Air Sampler Controller

The EMTEK Versatile 100 (V100) Air Sampler Controller offers a high level of versatility for microbial air monitoring of Critical Environments and Systems. **V100 PATENT PENDING**

NEW: The V100 may be used to operate two (2) air samplers at the same time., allowing for monitoring of two locations with one controller. Contact us for specific applications.

V100 General Specifications



- Color LCD with Touch Screen Interface
- On Screen Test Plate Sample Tracking
- Mass Flow Controlled Sampling@ 28.3, 50 & 100 LPM
- Custom Test Delay / Hold / Run Programmability
- 0-60 Minutes of Monitoring per Test Period
- Test Period Pause/Resume Capability
- Label/Paper Printer Outputs Key Sample Parameters
- Sample Memory Buffer >500 (CSV Output)
- Ethernet and USB Connectivity
- Maintains >300 Sample Location Entries
- IR Remote Control (Start/Stop, Pause/Resume)
- Enclosure of 316 SS and Kydex™ with Microban™
- Portable with Retractable Handle and Only 12 lbs
- 0.2 Micron Filtered HEPA Exhaust
- Operates at 115 V @ 60Hz, 220 V @ 50Hz & 100 V @ 50Hz
- Only 10" L X 8" W X 7" H
- Power/Vacuum Line Assembly 6' or 12' (Up to 75')
- Sampler Transport/Mount Boot
- Operates 3 Sampling Devices (R2S, RCG, RAS)

V100 Top Case of KYDEX™ with  antimicrobial protection.



V100 with R2S



V100 with RAS

Contact EMTEK or your local area representative for additional product information and pricing.

TEL 877.850.4244 sample@emtekair.com www.emtekair.com



versatile air sampling solutions
to meet your monitoring needs

EMTEK Microbial Samplers

The EMTEK line of microbial air samplers were designed to operate in a variety of Critical Environments including LAF Hoods, BSCs, Isolators, Fill Lines, Bulk Production Areas and Compressed Air/Gas Systems, but are practical for use in almost any environment. Their streamlined design and virtually particulate free materials afford minimal disruptive effects on the critical environments in which they may be used. Each sampler is described below.

Remote-Slit-Sampler (R2S)

The Remote-Slit-Sampler (R2S) is a remote Slit-to-Agar Impaction sampling device, which offers proven recovery efficiency in a small footprint.



- Constructed of Aluminum / 316 Stainless Steel
- Exterior Finish of White Epoxy/Polyester Coating
- Clear Polycarbonate Dome Assembly w/Distance Gauge
- Weight of 3.25 Pounds
- Dimensions of 5.5" Height x 5" Diameter
- Turntable Stepper Motor Controlled
- Base is Chemically Sanitizable, Dome/Seal Autoclavable
- From 0-60 Minutes of Monitoring per Sample Cycle
- Extended Sample Cycles Possible (e.g., 120 minutes)
- Operates at Sample Rates of 28.3, 50 & 100 LPM

Compressed Gas/Confined Space (RCG)

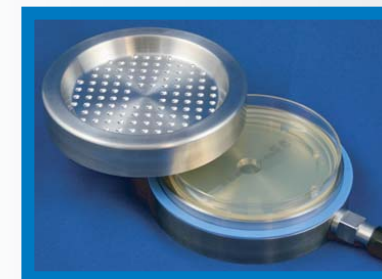
The Remote Compressed Gas/Confined Space Sampler (RCG) is a remote Slit-to-Agar Impaction sampling device which allows for sampling of compressed air and gas systems, and critical areas where a sampling device cannot be directly placed.



- Constructed of Aluminum / 316 Stainless Steel
- Exterior Finish of White Epoxy/Polyester Coating
- Clear Polycarbonate Dome
- Aluminum Sample Inlet and 316L SS Sanitary Inlet Attachment
- 316 SS Sanitary Clamp, Seal, Sanitary Barb and Vacuum Tubing
- Dome Retention Assembly of Aluminum, 316 SS and Tubing
- Weight of 4 Pounds
- Dimensions of 7.5" Height x 5" Diameter
- Base is Chemically Sanitizable, Dome/Seal Autoclavable
- Turntable Stepper Motor Controlled
- From 0-60 Minutes of Monitoring per Sample Cycle
- Confined Space Sample Rates of 28.3, 50 & 100 LPM
- Compressed Air/Gas Sample Rate of 50 LPM

Remote Autoclavable Sampler (RAS)

The Remote-Autoclavable Sampler is a Sieve Impactor Sampler with microbial recovery comparable to a Slit-to-Agar Air Samplers.



- Constructed of 316 L SS with Blue Fluorosilicone Seals
- May be Sterilized by Autoclave, or Chemically Santized/Sterilized
- Only 1.5" Tall and 4.25" in Diameter
- Seal Set to Assure Correct Inlet Distance from Test Plate
- From 0-60 Minutes of Monitoring per Sample Cycle
- Operates at Sample Rates of 28.3, 50 & 100 LPM