

## Sample Controller and Air Sampler Compatability Matrix

Controller (Part#)	Sampler Options	Sampler Part#	Sample Rate (Liters/min)	Maximum Sample Period (Minutes) <sup>1</sup>	Volume Collected- Max Sample Period (Liters/m <sup>3</sup> /ft <sup>3</sup> )	Remote Control
<b>V100</b>	<b>R2S</b>	V100.R2S.28	28.3	120	3400 / 3.4 / 120	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	
	<b>RAS</b>	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	
	<b>RCG<sup>1</sup></b>	V100.RCG.28	28.3	120	3400 / 3.4 / 120	Infrared
		V100.RCG.50	28.3	20 40	1000 / 1 / 35 2000 / 2 / 70	
		V100.RCG.100	28.3	10 20	1000 / 1 / 35 2000 / 2 / 70	

1. The RCG may be used for Compressed Air/Gas Sampling at both 50 and 100 LPM.  
Note: Domes for the 28.3, 50 and 100 LPM Sample Rates for the R2S & RCG may be purchased separately.

### NEW! R2S and RAS Multiple (mini FMS) Sampling Option

The V100 can operate two (2) R2S or RAS samplers at the same time at a sampling rates of 50 LPM, and four (4) R2S or RAS samplers at 28.3 LPM. Ask your sales representative for details.



V100 & R2S Dual @ 50 LPM



V100 & 4 x RAS @ 28.3 LPM



**EMTEK**  
MICROBIAL AIR SAMPLERS

### 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.



**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.

### 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.

R2S Assembly with the Addition of:

- Aluminum Sanitary Inlet Attachment
- SS Sanitary Clamp/PTFE Seal
- Sanitary Barb
- Vacuum Tubing
- Dome Retention Assembly of Aluminum, 316 SS and Tubing
- 0-120 Minutes of Monitoring per Sample Cycle
- Confined Space Sample Rates: 28.3, 50 & 100 LPM
- Compressed Air/Gas Sample Rates: 50 & 100 LPM
- Requires Microbial High Pressure Diffuser for High Pressure Systems



**V100 Controller & R2S Air Sampler**

### V100 Controller

- 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
- 0-120 Minutes of Monitoring per Test Period
- Test Period Pause/Resume Capability
- Label/Paper Printer Outputs Key Sample Parameters
- Sample Memory Buffer >500
- 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)

### 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.

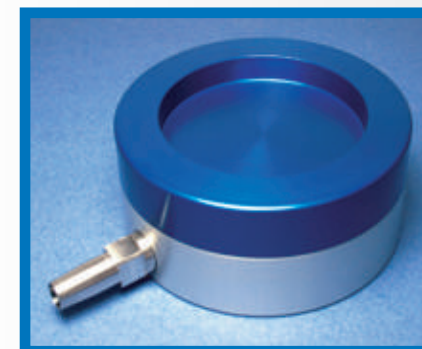
- Constructed of Aluminum / 316 Stainless Steel
- Exterior Finish of White Epoxy/Polyester Coating
- Clear Polycarbonate Dome Assembly w/Distance Gauge
- Weight of 3.25 Pounds
- Dimensions of 5.5" Height x 5" Diameter
- Turntable Stepper Motor Controlled
- Base is Chemically Sanitizable, Dome/Seal Autoclavable
- From 0-120 Minutes of Monitoring per Sample Cycle
- Extended Sample Cycles Possible (e.g., 120 minutes)
- Sampling Rate Options of 28.3, 50 & 100 LPM (requires different domes, as indicated by color coded distance gauges mounts)

### NEW DESIGN! Remote Autoclavable Sampler (RAS)

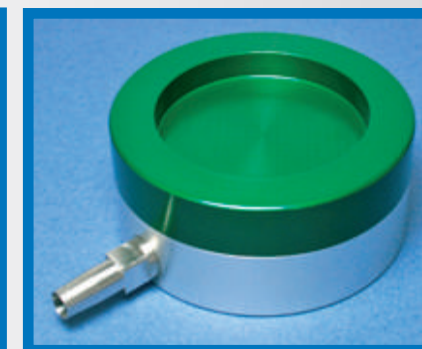
The Remote-Autoclavable Sampler is a Sieve Impactor Sampler with microbial recovery comparable to a Slit-to-Agar Air Samplers.



- Constructed of Aircraft Grade Aluminum
- 300 Inlet Hole Cover
- Only 1.75" Tall and 4.25" in Diameter
- Adjustable Test Media Stage
- May be Sterilized by Autoclave, or Chemically Santized/Sterilized
- From 0-60 Minutes of Monitoring per Sample Cycle
- Sampling Rate Options of 28.3, 50 & 100 LPM



100 LPM (Blue)



50 LPM (Green)



28.3 LPM (Clear)

V100 Top Case of KYDEX™ with  antimicrobial protection.