

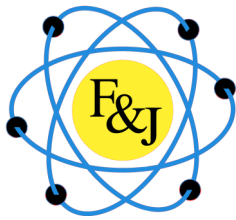
**F&J SPECIALTY PRODUCTS, INC.**

*The Nucleus of Quality Air Monitoring Programs*

# OPTIONS FOR DFM AIR SAMPLER SYSTEMS



Rev: 02 Sep 2021



## F&J SPECIALTY PRODUCTS, INC. *The Nucleus of Quality Air Monitoring Programs*

### Digital Flow Meter Air Sampler Features

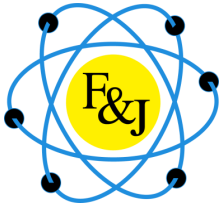
#### Operator Selectable Options:

Shut off Type	
On Time 0	min to 168 hours
On Volume	0 to $9.99 \times 10^{99}$
RS232 Output Frequency	1/sec, 1/min, 1/6min, 1/hr
Automatic Flow Control:	Operator selectable within the instrument's operating flow range
Selection of Reference T and P or Ambient flow reporting conditions	

#### Factory Settable Options:

Flow/Volume units	scm/scc, SLPM/SL, SCFM/SCF, sm <sup>3</sup> /hr, sm <sup>3</sup> /min
Temperature units	°C, °F
Pressure units I	n.Hg, mmHg, kPa
Reference Temperature	0°C, 20°C, 70°F, 25°C
Reference Pressure	29.92 inHg (760 mmHg)
Display Dimming Function	On or Off
Auto Shut-off Function	On or Off
Flow Control	On or Off
Sampling Mode	Volumetric
Gas Type	Air
Language Options for Label	English





## **F&J SPECIALTY PRODUCTS, INC.** *The Nucleus of Quality Air Monitoring Programs*

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### **FLASHCARD DATALOGGING SYSTEM**



Data Storage Device, RS232 Input, Data stored in SD Card (SD Card not included)

**P/N: 232FCDS**

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### **2GB or Higher Secure Digital Card**

The SD card is ideally suited to meet the demands of small portable devices that need high capacity flash memory in a very small size. The F&J FlashCard Data Storage Device uses this type of flash memory.

#### **Main Features**

Flash memory card; 2GB; SD Memory Card



**P/N: 372239**

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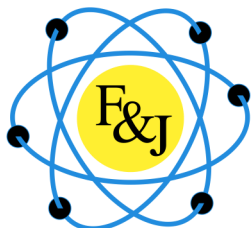
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### **PC FlashCard Reader**

The ImageMate 12 in 1 Card Reader/Writer is a Hi-Speed USB 2.0 Multi-card Reader/Writer that connects to your computer's USB 2.0 port. The reader will read CF I, CF II, MS, MS Pro, MMC, SD, SM, MS Duo, xD, MS PRO Duo, miniSD and RS-MMC types of flash memory card.



**P/N: SDDR-199-A20**



## ELECTRICAL SURGE PROTECTION FOR REMP AIR SAMPLING SYSTEMS P/N: FJ-SSI-AS-02



Surges or power line transients are brief overvoltage spikes or disturbances on a power wave form which can damage, degrade or destroy electronic equipment and motors. Externally generated transients include utility grid switching, magnetic coupling and nearby or direct lightning strikes.

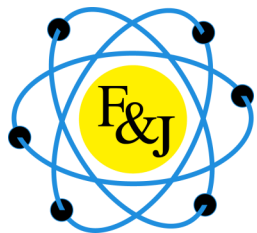
F&J SPECIALTY PRODUCTS, INC. (F&J) recommends the use of a “Surge Protective Device” (SPD) for both analog and digital air samplers utilized in REMP air sampling applications. F&J has commissioned a leading manufacturer of SPDs in the USA to design and develop a product that would protect air sampling instruments utilized in NPP REMP programs from the negative effects of power line surges.

Dimensions:	7.3”L × 4.8”W × 2.5”H
Weight:	1.97 lbs. (.90 kg)
Receptacles;	Two (2) 125VAC, 15A standard USA female grounding receptacles powered by one standard USA male plug
Test Standard;	IEEE Std C62.41.2 <sup>TM</sup> – 2002 and IEEE Std C62.62 <sup>TM</sup> —2010

#### References:

- IEEE Std C62.41.1<sup>TM</sup>–2002—IEEE Guide on the Surge Environment in Low-Voltage (1000 V and less) AC Power Circuits
- IEEE Std C62.41.2<sup>TM</sup>–2002—IEEE Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and less) AC Power Circuits
- IEEE Std C62.62–2010—IEEE Standard Test Specifications for Surge-Protective Devices (SPDs) for use on the Load Side of the Service Equipment in Low-Voltage (1000 V and less) AC Power Circuits

These are the standards that describe the surge environment and govern performance specifications of SPDs.



## ELECTRICAL SURGE PROTECTION FOR HIGH VOLUME AIR SAMPLING SYSTEMS

**P/N: FJ-SSI-AS-03**



**NORTH AMERICAN**

**P/N: FJ-SSI-02E-UK**



**UK RECEPTACLE**

**P/N: FJ-SS-HLASE**



**SCHUKO RECEPTACLE**

Surges or power line transients are brief overvoltage spikes or disturbances on a power wave form which can damage, degrade or destroy electronic equipment and motors. Externally generated transients include utility grid switching, magnetic coupling and nearby or direct lightning strikes.

F&J SPECIALTY PRODUCTS, INC. (F&J) recommends the use of a “Surge Protective Device” (SPD) for digital air samplers utilized in high volume (HV)/low volume (LV) air sampling applications. F&J has commissioned a leading manufacturer of SPDs in the USA to design and develop a product that would protect air sampling instruments utilized in NPP HV/LV air sampling programs from the negative effects of power line surges.

Dimensions: 8”L × 8”W × 4.4”H (20.3 x 20.3 x 11.2 cm)

Weight: 5.8 lbs. (2.6 kg)

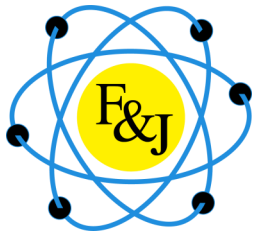
Receptacles; Two (2) 250VAC, 13A United Kingdom (UK) style grounding receptacles. This unit can be factory installed in the HV/LV air sampler at the time of fabrication or retro fitted to older air samplers with only minor changes.

Test Standard; IEEE Std C62.41.2<sup>TM</sup>– 2002 and IEEE Std C62.62<sup>TM</sup>—2010

References:

- IEEE Std C62.41.1<sup>TM</sup>–2002—IEEE Guide on the Surge Environment in Low-Voltage (1000 V and less) AC Power Circuits
- IEEE Std C62.41.2<sup>TM</sup>–2002—IEEE Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and less) AC Power Circuits
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These are the standards that describe the surge environment and govern performance specifications of SPDs.



## ELECTRICAL SURGE PROTECTION FOR HIGH VOLUME AIR SAMPLING SYSTEMS

### Air Sampling Systems

- High Volume Air Samplers
  - Portable Grab Samplers
  - Environmental Systems
  - Enzyme Dust Samplers
  - PM10 Systems
- Continuous Air Samplers
  - Environmental Systems
  - Portable
  - Fixed Station
- Personal Air Samplers
- Emergency Response DC Powered Air Sampling Systems

### Filter Paper

- Glass Fiber
- Cellulose
- Membrane
- Quartz

### Filter Holders

- Open face
- In-Line
- PAS Filter Holders
- Materials
  - Plastic
  - Aluminum
  - Stainless Steel

### Radon Detection Devices

- 2-Day Passive Charcoal Canisters
- 7-Day Passive Charcoal Canisters
- Continuous Radon Monitors

### Tritium Detection Systems

- Portable and Fixed Station Collection Systems utilizing Silica Gel or Molecular Sieve Absorbents
- Continuous Tritium Monitors

### New Products

- Global Air Sampling Systems
- Digital Flowmeter Air Samplers
- C-14 Collection Systems
- ELITE DIGITAL LIGHT (EDL) Air Samplers
- Isokinetic Air Sampling Systems
- MEGA High Volume Air Samplers
- ULTRA High Volume (CTBTO) Air Samplers

### Radioiodine Collection Cartridges

- TEDA Impregnated Charcoal
- Silver Zeolite
- Custom Cartridges
- Bulk Silver Zeolite

### Air Flow Calibrators

- World Calibrator Series
- Compact Digital V.2 Series
- Mini-Calibrator