Sentinel ™

The ***Sentinel*** *Ionic Spore Trap* is our smallest model that utilizes the same electrostatic capture principle as our other models. It generates the same capture efficiency as the larger models; however, it does not require programming. The housing is constructed of stainless steel, and its components are designed for outdoor use. It can be mounted on a tripod, or it can be suspended by its ring attachment . It may be used with an optional rechargeable NiCad battery that will power it for several hours, and it can be operated continuously from an external 12 volt battery or from a 120 volt source with its included power supply.

The *Sentinel* accepts 12.5 mm (0.5 inch) sample stubs, which can then be topped with any of the capture media. All of the analytical procedures can be employed with these capture media, including light and fluorescence microscopy, scanning electron microscopy, and qPCR.

Applications:

The *Sentinel* is designed for commercial applications in which spray advisories may be based upon initial spore capture information. Of course, this model also may be used for research purposes, and this is the preliminary platform for experimentation. DS Scientific offers analytical services for all models, however commercial or public laboratories may be employed to analyze the samples, or the operator may use a light microscope if the spore is readily identifiable.

Weight :	**2.4 kg +/- 30g**
Voltage :	**12 volts DC (battery option) or 120 volt mains**
Amperage:	**340 mA +/- 20**
Housing :	**Stainless steel**
Specimen mount:	**12.5 mm stub**
Air flow:	**163 L/min**
Features:	**Manual operation/ does not require programming**

Please Note: If you have applications that require sampling from an airborne platform, e.g. piloted or remote controlled aircraft, please ask about our newest model, the *Sentinel Lite.*