

# Recording Air Sampler

A volumetric Recording Air Sampler (Pat. no. 8321798) designed to facilitate the sampling of airborne particle matter within a building or confined area over a 7-day or 24-hour period without attention



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and Exporters**

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The sampling orifice is sited in the upper-lid casting, allowing the particle matter to be drawn vertically into the orifice depositing the sample onto a moving adhesive strip or glass slide. This design offers an isokinetically stable condition and the trap has an efficiency of approximately 97%. The performance is closely similar to the standard BURKARD Seven Day Volumetric Recording Spore Trap as described by Hirst in 1952 (Ann. Appl. Biol. 39, pp 257-265). Interchangeable heads can be supplied for impaction of the sample directly onto glass slides for 24-hour work. Each instrument is supplied complete with an outflow turbine pump for

specified voltages 12v d.c. to 110v 60Hz-220v 50Hz. The instrument can be connected to an external vacuum source making it completely safe in hazardous areas.

### **Construction and Equipment Details**

Robustly constructed to withstand long-term operation in hospital and industrial environments, the instrument is finished in hammer beige enamel with stainless steel and corrosion-resistant fittings. Working units are easily detachable for adjustment on site or in the laboratory.

## General Specification

Nett weight: 9.1 kg  
Overall height: 37mm (1 1/2 ins)  
Overall radius of feet: 18mm (7 ins)  
Working area of feet: 36mm diameter

## Standard Equipment

The Spore Trap is supplied with one roll of 'Melinex' tape and one roll of double-sided tape, together with the laboratory stand and perspex cutting block as illustrated.



Laboratory stand for coating the Recording Drum.



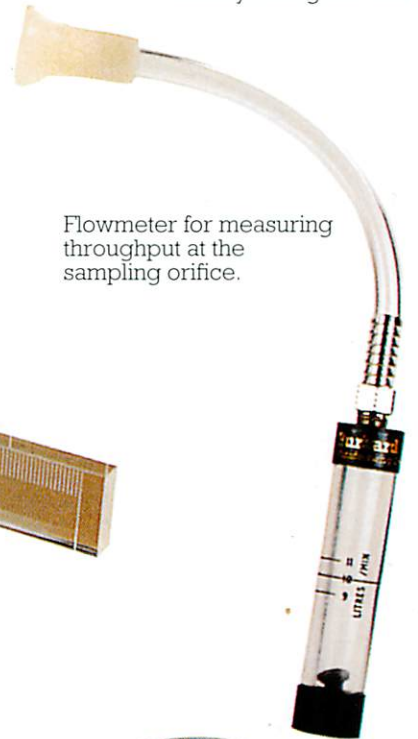
Perspex cutting block for sectioning the Melinex tape into hourly daily samples.

## Optional Extras

40/20 'Gelvatol' available in 1/2 kilo packs.  
Additional drums.



Alternative lid assembly for 24 hours sampling directly onto glass slide.



Flowmeter for measuring throughput at the sampling orifice.



Anodised aluminium carrying case with lid.



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