

easySPT100



Easy to use pollen trap



Upgradable



Light



Base



Full

TECHNICAL CHARACTERISTICS OF THE THREE VERSIONS

	Standard Components		
	Light	Base	Full
Instrument main body in PVC and Alluminium	✓	✓	✓
Orifice size 2mm x14mm	✓	✓	✓
Airflow from 5 to 12 liters/minute adjustable (vacum pump)	✓	✓	✓
Battery pack of 2200mA/h 12VDC	✓	✓	
Battery pack of 8800mA/h 12VDC			✓
Power supply 90/220VAC	✓	✓	✓
Sliding electrical contact for main body rotation		✓	✓
Short legs to fix instrument on the ground		✓	✓
Tripod 80cm high to install instrument and solar panel			✓
Solar panel 50W (extra equipment)			✓
Rain shield and wind vane		✓	✓
Interchangeable support for 24-hour sampling (extra equipment)	✓		
7 days support with drum and easyStrip		✓	✓
Electronic flow-meter	✓	✓	✓

24-hours support



7 days support



Sliding contact



Fixing Bar



Rain shield / Orifice



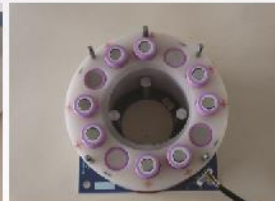
Solar panel 50W



Power Supply



Wind vane



Battery Pack



Short Legs

Components



easyFlux

Electronic flow meter, calibrated for the measurement of air flows from 0 to 100 liters per minute with precision of 1.5%. The flow sensor is equipped with pressure and temperature sensor to calibrate the measurements in every environmental conditions.



easyStrip

Silicone coated polyester tape, dimensions 20x349mm, thickness 0.05mm.

The tape is pre-treated with silicone fluid (polydimethylsiloxane with viscosity 100,000 cSt \pm 10%) in cyclohexane solution. The sampling tape, supplied in blister pack, is prepared to be easily applied on the drum supplied with the instrument.



7-day Sampling Drum

Sampling drum into aluminium box for transport.



Tape cutter

Graduated cutter to divide the sampled tape. The graduations are used as a reference and report engraves every 48 mm corresponding to 24h of sampling. Once engrave has been identified, it is possible to position the presser and cut the tape using the supplied scalpel.



Gelatine with fuchsine, 50 ml or 250 ml.

Prepared according to UNI 1110800_2004 Italian National Standards.



Gelatine without fuchsine, 50ml or 250ml

Prepared according to UNI 1110800_2004 Italian National Standards.



Drum support

Winding base for easyStrip silicon coated tape and tape to coat with silicon manually. It supports the 7-day drum and allows easyStrip to be easily applied to the drum for sampling or detached after sampling.



Kit for Tapes and Samples preparation

Box containing: gelatine with and without fuchsine 50ml, silicone fluid solution 50 ml, scalpel with 10 blades, adhesive labels, double-sided bonding tape, sampling tape not treated (50 pcs), dropper for silicone solution, stainless steel tweezers, brush for silicone solution, 26mm x 76 mm microscope slides, 24mm x 50 mm slide cover glass, gelatine heating bottle.



General Informations

New sampler for pollens, spores and other airborne particles with size between 5 and 100 μm . It is a sampler impactor HIRST type and complies with the UNI11108: 2004 Italian National Standards. It can be equipped with a daily or a weekly sampling head. It can have different power sources such as the 90-220VAC, through an external power supply, batteries and solar panel. It can accommodate a group of batteries from a minimum of 2.2 Ah, with 1-day operating time, up to 8.8 Ah for a maximum sampling of 7 days. It is equipped with an electronic that controls engine speed and recharges batteries. The flow is kept constant as the battery voltage decrease. Complete the instrument the presence of a control panel, with display and keyboard, for setting the system operating parameters. There is also a Bluetooth module for connection to external devices such as the electronic flow meter and the meteorological station. It is easily transportable, given its reduced size and weight



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