



SOLUTIONS TECHNOLOGIQUES POUR L'ENVIRONNEMENT

AS4500 AEROSOLS & IODINE SAMPLER

Sampling of aerosols & iodine in compliance with NF ISO 22889 standard

DESCRIPTION

The AS4500 sampler is specially designed to be connected to a ventilation duct or stack to perform isokinetic and continuous sampling of air containing potentially radioactive aerosols and/or iodine for delayed laboratory measurement.

The AS4500 adjusts the sampling air flow to match measured air flow inside the ventilation duct or stack. An AS4000 version exists for sampling without air flow matching.

ADVANTAGES

- Sampling air flow ranging from 30 to 100 SLPM
- Control of the sampling flow to match the flow measured in the ventilation duct or stack
- Mass flow meter: regulated and standardized air flow, with verification by COFRAC certified standards
- Continuous measurement of pressure loss
- Remote reporting of operating status
- Visual and sound indicators of operating status
- Ergonomic design: tubular aluminium chassis with two handles for transport
- Safety: electrical box with differential circuit breaker locked with key.



FEATURES

- Sampling parameters display on backlit LCD screen: air flow rate, volume, duration, pressure loss, and operating status
- Setting the air flow rate from 30 to 100 SLPM
- Reset of the volume and sampling duration to zero
- Continuous measurement of the pressure loss of the paper filter and cartridges
- Setting of warning thresholds
- Visual indication of operating status
- Setting and calibration menus with protected access
- Isokinetic conditions setting
- Remote reporting of the operating status via T.O.R output
- Remote communication via Ethernet (optional)

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AS4500 AEROSOLS & IODINE SAMPLER

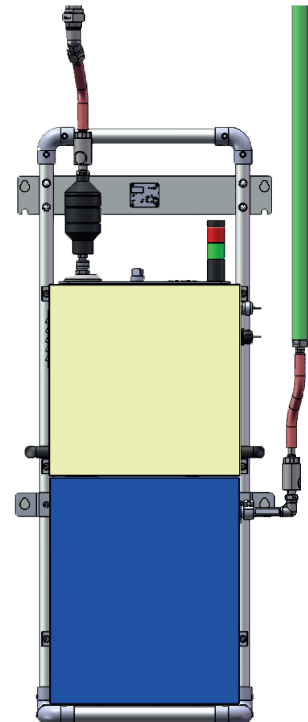
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SAMPLING HEAD

- Anodized aluminum body
- Aluminium honeycomb-shaped filter holder with clamping ring
- Connection by stainless steel quick connect
- Paper filter : Ø 47, 50 ou 130 mm
- Activated carbon cartridges for iodine sampling: Ø 57 mm

ADDITIONAL SUPPLIES

- Isokinetic probe and connection lines (consult us)
- External flowmeter with 4-20 mA output to be installed on the duct or stack and connected to the AS4500 to ensure isokinetic sampling in case of variation of the ventilation flow rate (consult us)



TECHNICAL SPECIFICATIONS

	AS4500
	Technical
Air flow	30 to 100 SLPM
	Environmental
Operating T°	2 to +45 °C
Storage T°	2 to +50 °C
Relative moisture	5 to 90%
Display	Backlit LCD screen
Protection index	IP11
	Mecanical
Dimensions W x H x D (mm)	530 x 1244 x 304
Mounting	Wall or floor mounting
Weight	36 kg
	Electrical
Power supply	230V / 50Hz
Max power	270 W

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