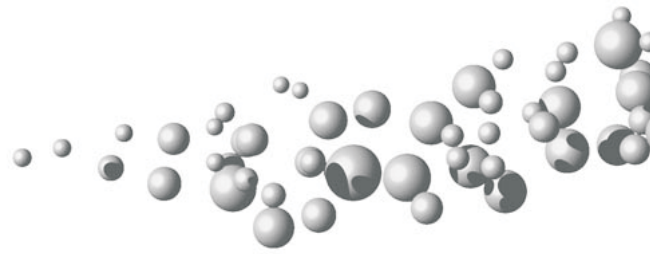


DEKATI PM10 IMPACTOR



Dekati PM10 impactor is a cascade impactor that measures PM10 and PM2.5 mass concentrations simultaneously. The impactor fulfills all requirements of the new ISO standard 23210 for measuring PM10 and PM2.5 in stationary sources, and it can be upgraded to measure PM1 mass concentration as well.

The Dekati PM10 impactor's easy to use and simple design makes it an ideal choice for gravimetric or chemical analysis of PM. The impactor has been calibrated with different collection filter materials according to the ISO 23210 standard, and the whole system can be heated up to 200 °C.

In addition to the impactor unit, Dekati also provides complete measurement setups for PM10 and PM2.5 measurements according to ISO 23210. The standard recommends carrying out the measurements so that the impactor is placed inside the flue gas channel directly against the flue gas flow. Isokinetic sampling is achieved with the use of straight isokinetic nozzles. Alternatively, the impactor can be placed outside the stack. In this case the impactor must be heated up to the flue gas temperature. In both cases, a flow control system with a pump is required.



Dekati PM10 impactor includes

- Impactor unit for PM10 and PM2.5 measurements (PM1 stage available as an accessory)
- Calibration sheet
- Calculation sheet for data analysis
- Carry case

Specifications

Nominal air flow	10lpm (or 30lpm)
Size fractions	PM10 and PM2.5 PM1 available as an accessory
Max. temperature	200 °C
Weight	2.4kg
Dimensions	Ø76 x 180mm
Material	Stainless steel

Available accessories include

- Pump with flow control
- Hoses and hose connectors
- Stainless steel sampling probes
- Isokinetic nozzles
- Impactor heaters and heater controllers
- Quartz, aluminium and polycarbonate filters
- Collection substrate grease



Dekati Ltd
Osuusmyllynkatu 13
FIN-33700 Tampere
Finland
Tel.int. +358 3 3578 100
Fax. int. +358 3 3578 140
E-mail sales@dekati.fi
www.dekati.fi

Dekati Ltd. is specialized in the design and manufacture of innovative fine particle measuring and sampling devices. Since its founding in 1994, Dekati has become the technological market leader in producing fine particle measurement instrumentation for various applications and hundreds of customers.