

- Combustion processes
- Air quality monitoring
- Automotive exhaust
- Pharmaceutical aerosols

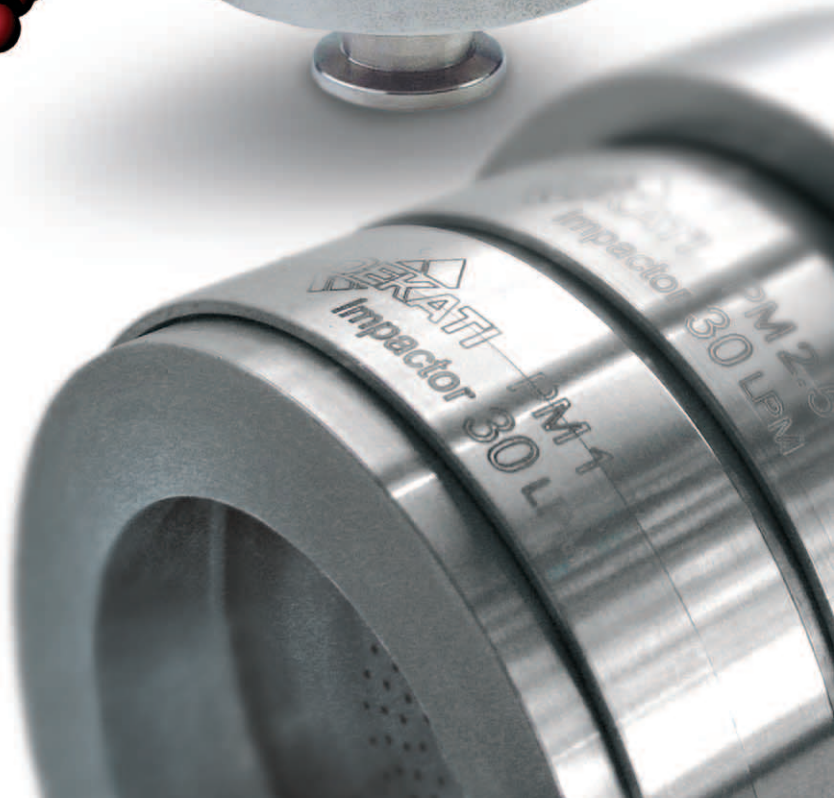
Dekati[®] PM10 Impactor

PM10, PM2.5 and PM1
mass concentrations

Combustion source sampling
according to ISO23210



Excellence in Particle Measurements





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 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 is able to provide complete measurement setup for PM10 and PM2.5 measurements according to ISO23210. The standard recommends carrying out the measurements so that the impactor is placed inside the flue gas channel directly against the flue gas flow. Iso-kinetic sampling is achieved with the use of straight isokinetic nozzles. Alternatively, the impactor can be placed outside the stack with a heated jacket around it to keep it in the flue gas temperature during the measurement. In both cases, a flow control system with a pump is required.



Specifications

Nominal air flow	10 or 30 l/min
Size fractions	PM10, PM2.5 PM1 available as an accessory
Maximum temperature	200 °C
Weight	2.4 kg
Dimensions	Ø 76 x 180 mm
Material	Stainless steel (AISI 316)

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



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

For more information, please contact: sales@dekati.fi



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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. ●