

Dekati® PM10 Impactor

- PM10, PM2.5 and PM1 mass concentrations
- Air quality measurements
- Combustion source sampling according to ISO23210



Excellence in Particle Measurements

Dekati® PM10 Impactor

Dekati® PM10 impactor is a three stage cascade impactor for determining particle gravimetric mass size distribution. The operating principle of the the Dekati® PM10 impactor is based on inertial size classification and gravimetric or chemical analysis of the collected, size classified particle samples. This impactor has cutpoints of 10, 2.5 and 1 µm and it is an ideal choice for applications where some information on the particle size distribution is needed. The impactor is manufactured of stainless steel which also enables sampling from high temperatures and heating the impactor unit up to 200 °C.

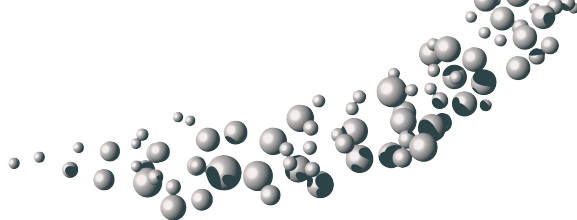


Features

- PM10, PM2.5 and PM1.0 detection
- Size fractions: > 10 µm, 10-2.5 µm, 2.5-1.0 µm, < 1 µm
- PM10+PM2.5 and PM10+PM1.0 impactor stage configurations also available
- 25 mm substrates used in the impactor stages, 47 mm filters at the final stage for smallest particle size fraction
- Calibrated with aluminium and quartz fiber filters
- 10 and 30 lpm sample flow rate versions available
- Stainless steel construction for operation even in harsh environments
- Can be heated up to 200 °C
- ISO23210 compliant for PM10 and PM2.5 measurements from stationary sources
- Complete measurement solutions for different types of measurement applications available from Dekati Ltd.
- Provided with calculation spread sheet
- Each unit manufactured and calibrated in Finland



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Spare set of impactor collection plates for easy reloading

TSP and PM10 inlets for air quality measurements



Accessories

- Spare set of impactor collection plates
- Impactor heating jacket for heating the impactor up to 200 °C
- Pump including flow control
- Aluminium and polycarbonate collection substrates Ø25 mm
- Dekati® Collection Substrate Spray for substrate greasing
- Ø47 mm filters for the final collection stage
- Sampling lines for emission measurements
- Sampling inlets for air quality measurement

Applications

- Air quality measurements
- Occupational health and safety studies
- Combustion process studies
- Emission measurements

For more information, please contact: sales@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 thousands of customers. ●