

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



The **Dekati® PM10 Impactor** is a three-stage cascade impactor for determining particle gravimetric mass size distribution. The operating principle of 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 making it an ideal choice for PM10, PM2.5 and PM1.0 measurements. The impactor is manufactured of stainless steel enabling direct sampling from high temperatures and heating the impactor unit up to 200 °C.

Applications

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

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
- Provided with calculation spread sheet
- Each unit manufactured and calibrated in Finland
- Complete measurement solutions available for different applications



Spare set of impactor collection plates for easy reloading

TSP and PM10 inlets for air quality measurements



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



► **Dekati Ltd.** is a world leader in designing and manufacturing innovative fine particle measurement solutions. We have over 25 years of experience in providing measurement instruments and complete measurement solutions to a wide variety of environments and sample conditions. All Dekati® Products are developed and manufactured in Finland and are available with up to five-year warranty.

