

Impactor, Measurement of Oil Mist

Order No. 81 03 560

Application Range

Use in Aerotest 5000, Aerotest Alpha, MultiTest med. Int.,
Aerotest Simultaneous HP

Standard Measuring Range:	0.1 mg/m ³ , 0.5 mg/m ³ , 1.0 mg/m ³ Oil mist (Oil Aerosols)
Detection Limit:	0,05 mg/m ³ Oil mist
Test Volume:	20 L
Volumenstrom:	4 L/min
Time for Measurement:	5 min
Evaluation:	see details in operating instructions for Impactor

Ambient Operating Conditions

Temperature:	10 to 30 °C
Humidity:	max. 60 % r. h.
Pressure:	only to be used for unstressed compressed air

Reaction Principle

Compressed air is guided through the Impactor vertically onto a baffle plate made of cut glass. A 90 ° re-direction of the air flow in the Impactor separates the oil aerosols. The aerosols flow directly onto the glass plate caused by the high inertia of the aerosols. The recesses in the glass are filled with the oil aerosols and the light dispersed by the glass grinding is compensated.

Cross Sensitivity

The measurement result is not dependent on the oil grade. However, it must be noted that oil aerosols evaporate at higher temperatures. Oil vapor is not displayed.

Additional Information

The Impactor has to be used together with the Adapter of the Impactor (Order No. 81 03 557) in conjunction with the Dräger Aerotest Simultan.

ST-357-2008



Dräger Impactor

ST-1230-2008



0.1 mg/m³

ST-1231-2008



0.5 mg/m³

ST-1232-2008



1.0 mg/m³

ST-604-2008



Adapter of the Impactor

ST-602-2008



Adapter with Impactor
connected in Dräger
Aerotest Simultan

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