# Impactor, Measurement of Oil Mist

Order No. 81 03 560

3T-357-200

ST-1230-2008

ST-1231-2008

ST-1232-2006

ST-604-2006

ST-602-200

# Application Range

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

Aerotest Simultaneous HP

Standard Measuring Range: 0.1 mg/m³, 0.5 mg/m³,

1.0 mg/m3 Oil mist

(Oil Aerosols)

Detection Limit: 0,05 mg/m³ Oil mist

Test Volume: 20 L
Volumenstrom: 4 L/min
Time for Measurement: 5 min

Evaluation: see details in operating

instructions for Impactor



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.



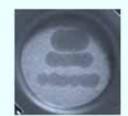
Dräger Impactor



0.1 mg/m<sup>3</sup>



0.5 mg/m3



1.0 mg/m<sup>3</sup>



Adapter of the Impactor



Adapter with Impactor connected in Dräger Aerotest Simultan

