



Heatable modular testing system for oil nebulizers better as ISO 17536 with +/- 200 mbar control

## Benefits

- Detection and evaluation of the fractional separation efficiency and loading
- **Isothermal and isobaric measurement**
- **All components heatable up to 120 °C**
- **The inlet pressure at the test filter can be controlled in the range of  $\pm 200$  mbar**
- High reproducibility of the test procedure
- Internationally comparable measuring results due to the wide distribution of the measuring system
- Cleaning and calibration can be accomplished by the customer himself
- Easy to handle, short training even of untrained staff
- Flexibility due to modular set-up
- Proof of the clear function of single components and the complete system during pre-acceptance and delivery
- Reliable function
- Short set-up times, extremely low maintenance
- Reduces your operating expenses

## Applications

- Quality assurance for oil separators
- New and further development of oil separators, e.g. coalescence separators, cyclonic separators and other inertia separators, electrofilters and filter combinations, e.g. for
  - Blow-by aerosols
  - Oil mist downstream of compressors
  - Cooling lubricants on machine tools
  - Aerosols for minimal quantity lubrication



<https://www.palas.de/product/hmt1000p>

# HMT 1000 P



## Datasheet

<i>Parameter</i>	<i>Description</i>
<b>Measurement range (size)</b>	0.18 - 40 µm
<b>Volume flow</b>	1 - 25 Nm <sup>3</sup> /h, 1 - 85 Nm <sup>3</sup> /h (others on request)
<b>Dimensions</b>	approx. 1,780 • 2,240 • 800 mm (H • W • D)
<b>Differential pressure measurement</b>	0 - 5.000 Pa (andere auf Anfrage)
<b>Aerosol concentrations</b>	up to 10 <sup>7</sup> particles/cm <sup>3</sup> with 2 KHG 10 D
<b>Compressed air supply</b>	
	6 - 8 bar
<b>Pressure</b>	-0.2 - 0.2 bar <sub>g</sub> relative

**Palas GmbH**  
Partikel- und Lasermesstechnik  
Greschbachstrasse 3 b  
**76229 Karlsruhe**  
Germany

**Managing Partner:**  
Dr.-Ing. Maximilian Weiß  
**Commercial Register:**  
register court: Mannheim  
company registration number: HRB 103813  
USt-Id: DE143585902



**Contact:** E-Mail: [mail@palas.de](mailto:mail@palas.de) Internet: [www.palas.de](http://www.palas.de) Tel: +49 (0)721 96213-0 Fax: +49 (0)721 96213-33