

# Dust Measurement Equipment

**“We want to contribute to the protection of human health & environment”**

**For a safe environment : reliable measurements with durable products**

# Hund Dust Measurement Equipment



For a safe environment : reliable measurements with durable products

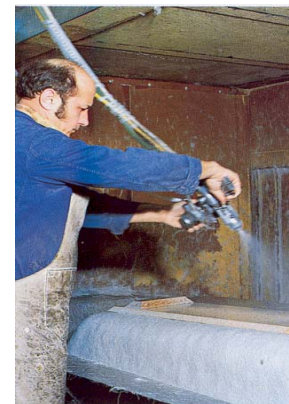


High Quality Products



Expert Consultancy

Hund Dust Measuring Equipment serve a wide variety of applications



# Hund Dust Measurement Equipment

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## Highlights of product and services offering

- ✓ Comprehensive program for the measurement of emissions and immissions
- ✓ Dedicated solutions for selected applications
  - Filter systems
  - Clean rooms
  - Workplace monitoring
- ✓ Competent consultancy of customers and distribution partners
  - Application-related and technical
- ✓ Reliable measurements & easy to operate
  - Robust design for rough environments
  - High sensitivity thanks to passive measurement system (TM Data)
- ✓ Versatile system
  - Gravimetric and photometric measurement (Respicon)
- ✓ High and constant quality „Made in Germany“
  - Complete manufacturing and testing at Hund factory, Wetzlar

**For a safe environment : reliable measurements with durable products**

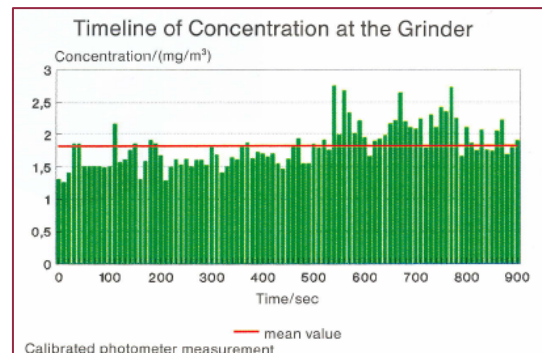
# Hund Dust Measurement Equipment

## Portable scattered light photometer for the control of filters, ventilation and air conditioning



TM Data

- Compact and robust design
- Easy to transport & easy to operate
- No influence on measurement conditions (passive probe system)
- Low need for maintenance (no pump)
- Low detection limit of  $10 \mu\text{g}/\text{m}^3$
- Suitable for short-term & long term measurement (5 sec. to 24h)
- Storage of measurements
- Comprehensive SW for monitoring and data analysis



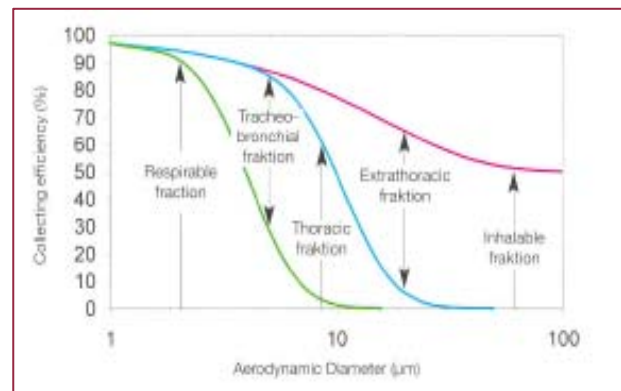
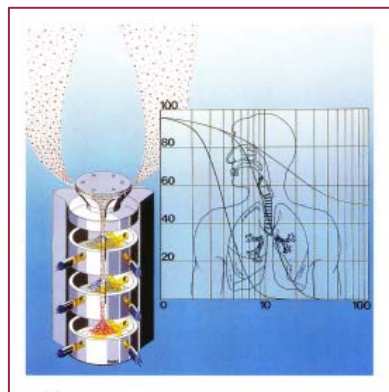
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# Hund Dust Measurement Equipment

## Control of emission at workplaces through simultaneous gravimetric and photometric measurement



- Measurement of 3 fractions of dust concentration by virtual impactor and 3 filter chambers
- Easy calibration of the photometer by means of the detected gravimetric data
- Assessment of max. concentration and short-period values
- Low detection limit of  $50 \mu\text{g}/\text{m}^3$
- Compact and robust design
- Comprehensive SW for monitoring and data analysis



- 3 fractions of dust detected by Respicon
- I : Inhalable (Nose & mouth)
  - T : Thoracic (Trachea)
  - R : Respirable (Lung, bronchia)

For a safe environment : reliable measurements with durable products

# Hund Dust Measurement Equipment

**Stationary scattered light photometer for the monitoring of filters, ventilation and air conditioning**



TM-F

- Ideal for measurement at capsulated machines & recycled air
- Compact and robust design
- No influence on measurement conditions (passive probe system)
- Low need for maintenance (no pump)
- Easy to operate and to install
- Low detection limit of  $5\mu\text{g}/\text{m}^3$
- Adjustable limit output
- Switchable measuring range

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