

# Very Long Differential Mobility Analyzer

# VLDMA



A differential mobility analyzer for classifying aerosol particles with sizes up to 8  $\mu\text{m}$ . Includes a high precision aerosol electrometer for measuring the classified particles.

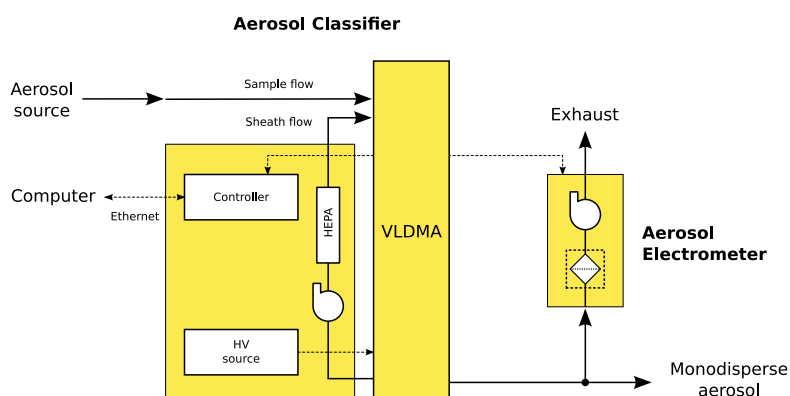
## Specifications

### DMA

- Particle Size Limit:** 8000 nm  
**Mobility Limit:**  $1.2 \cdot 10^{-6} \text{ cm}^2/\text{V}/\text{s}$   
**Voltage:** -10 to 10 kV  
**Sheath Flow Rate:** 2 to 20 l/min  
recirculated with integrated blower  
**Sheath to Sample Flow Ratio:** 1/10  
**Dimensions:** H 165 cm, W 57 cm, D 57 cm  
**Interface:** Ethernet

### Aerosol Electrometer

- Noise Level:** < 1 fA for 1 second averages  
**Flow Rate:** 0.2 to 5 l/min  
**Dimensions:** H 15 cm, W 11 cm, D 25 cm



Principal schematic of the VLDMA system

For more information please visit [www.airel.ee](http://www.airel.ee)



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