

# HEPaC

## Handheld Emission Particle Counter

### Key benefits of the HEPaC

- Simple measurement of particle number concentrations
- Portable and battery-operated
- Emission measurements without dilution (sensor heated)
- Concentration range up to 5'000'000 pt/cm<sup>3</sup>
- No operating fluids or dryers necessary
- Automatic creation of an official measurement report on a tablet
- METAS-certified according to ordinance SR 941.242

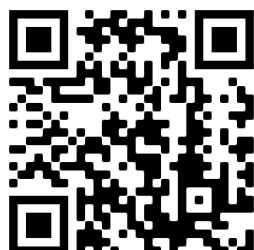


### Description

The HEPaC is a portable, battery powered instrument for periodic exhaust gas monitoring of diesel soot emission and to detect missing or defective particle filters.

The device was developed by engineers at the University of Applied Sciences FHNW and will be available from naneos in the fall of 2022.

More information here:



### Specifications

<b>Measurement unit:</b>	Particle number concentration
<b>Intended vehicle types:</b>	Diesel vehicles only No gasoline or CNG vehicles
<b>Concentration ranges:</b>	10 <sup>3</sup> - 5·10 <sup>6</sup> pt/cm <sup>3</sup>
<b>Time resolution:</b>	1 s
<b>Response time:</b>	5s
<b>Inlet flow:</b>	0.5 l/min
<b>Evaporation tube temperature:</b>	195°C
<b>Sensor temperature:</b>	55°C
<b>Battery runtime:</b>	~3h
<b>Size:</b>	37.5 x 9.2 x 4.4 cm
<b>Weight:</b>	1.1 kg
<b>Scope of delivery:</b>	Sensor & Probe Tablet Power Supply Transport Case & Manual