

Press Release

Stuttgart, December 21, 2022

MAHLE particle counter officially approved

- MAHLE is one of the first manufacturers to receive approval from the German national test authority for its particle counter PMU 400
- Approved particle counter in Germany from July 2023 prerequisite for emission testing on Euro 6 diesel vehicles
- Available as a single unit or as a supplement to the MAHLE EmissionPRO® and Brain Bee Emission Line
- Olaf Henning, Managing Director of MAHLE Aftermarket: "Despite tight supply chains, PMU 400 is available immediately and in sufficient quantities."

MAHLE Aftermarket is one of the first manufacturers to receive official approval of the German Physikalisch-Technische Bundesanstalt (national test authority) for its PMU 400 particle counter. An approved device is mandatory for emission tests on Euro 6 diesel vehicles in Germany from July 2023. The PMU 400 is available as a single unit or as an addition to the MAHLE EmissionPRO® and BrainBee Emission Line series. "We are prepared for the reintroduction of particle measurement at the tailpipe. Despite tight supply chains, the PMU 400 is available immediately and in sufficient quantities," said Olaf Henning, member of the MAHLE Executive Board and head of the Aftermarket division.

In addition to its excellent price-performance ratio, the PMU 400 is characterized by long maintenance intervals. With the condensation particle counting (CPC technology) used, the individual nanoparticles in the exhaust gas flow can be precisely measured even at low concentrations. The sample taken from the exhaust pipe can be diluted two hundred times with clean air. This minimizes deposits of particles and dirt in the most sensitive parts of the meter. In addition, the CPC technology enables the precise determination of the number of particles in exhaust gases of gasoline engines that contain only minimal particles.

For gasoline engines, particle counting in the context of exhaust gas testing is not yet mandatory, but an introduction is already being discussed. Therefore, MAHLE recommends that workshops purchase a CPC-based device from the

outset instead of relying on the slightly cheaper diffusion charging technology (DC). In order to facilitate entry into the future-proof professional class for the workshops, MAHLE ensured a particularly good price-performance ratio for the PMU 400 and also offers attractive leasing models.



With the PMU 400, MAHLE offers a particle measuring device with an excellent price-performance ratio



The CPC technology used makes the PMU 400 particularly low-maintenance and accurate.

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About MAHLE

MAHLE is a leading international development partner and supplier to the automotive industry with customers in both passenger car and commercial vehicle sectors. Founded in 1920, the technology group is working on the climate-neutral mobility of tomorrow, with a focus on the strategic areas of e-mobility and thermal management as well as further technology fields to reduce CO₂ emissions, such as fuel cells or highly efficient combustion engines that also run on e-fuels or hydrogen. MAHLE already generates over 60 percent of its sales independently of the passenger car combustion engine. This should increase to 75 percent by 2030. Today, one in every two vehicles globally is equipped with MAHLE components.

MAHLE generated sales of around EUR 11 billion in 2021. The company is represented with over 71,000 employees at 160 production locations and 12 major research and development centers in more than 30 countries. (Last revised: 12/31/2021)

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About MAHLE Aftermarket

MAHLE Aftermarket, the business unit specializing in spare parts, uses the expertise from original equipment series production for its product range and supplies partners in trade, workshops, and engine repair shops. The products developed by the MAHLE Service Solutions business segment for workshop equipment, as well as comprehensive services and individual training offers, round out the offer. MAHLE Aftermarket operates out of 25 locations around the world and has additional sales offices with around 1,700 employees. In 2021, the business unit recorded a sales volume of around EUR 1.1 billion globally.