PAMAS
Partikelmess- und Analysesysteme

PAMAS S40 Avtur
for on-site analysis

PAMAS S40 GO Avtur
for on-site analysis in harsh environment

PAMAS S50P Fuel
for online monitoring of fuel tanks

PAMAS SBSS
for water-free measurement of fuel

PAMAS Fuel Analysers

Particle counters for Diesel, Petrol, Jet Fuel and DEF (Diesel Exhaust Fluid)

DESIGNED DEVELOPED MADE PAMAS IN GERMANY

REV 03/2025

IN THE WORLD OF PARTICLES PAMAS COUNTS

PAMAS Fuel Analysers
Particle counters for Diesel, Petrol, Jet Fuel and DEF (Diesel Exhaust Fluid)

Fuel Contamination can cause engines to wear out more quickly and, in the worst case, fail, which often results in considerable costs. Regular cleanliness checks in accordance with the applicable IP 630 and IP 577 test methods are therefore necessary and important for trouble-free operation. For this reason, an upper limit for 4 µm particles will also be introduced in the next revision of EN 590. The cleanliness check can be carried out directly on site or in the laboratory. Constant online monitoring is also possible.

The **PAMAS S40 Avtur** is a product variant of the portable particle counter PAMAS S40, which has been specially designed for the analysis of all types of fuels and is specially tailored to the standarised analysis methods **IP 577** and **IP 630**, which have been adopted by the Energy Institute in London.
The following standards and test methods are according to:

- **IP 630**
  Standard for the determination of particle contamination in diesel fuel
- **EN 590**
  European diesel fuel specifications (reference test method IP 630)
- **DEF STAN 91 – 091**
  Standard for Aviation Turbine Fuel, Cerosin und Jet A-1
- **IP 577**
  was published in the standard DEF STAN 91-091 of the British Ministry of Defence and is relevant for the determination of the purity of jet fuel - method for automatic particle counters using the light obscuration principle.

All versions are optionally available in the robust PAMAS GO housing.

Rugged case PAMAS GO

The **PAMAS S50P Fuel** online particle counter is ideally suited for continuous condition monitoring of liquid fuels such as petrol, diesel or cerosin.
The robust design makes the online particle counter resistant to mechanical, electrical and other environmental influences. An integrated flow control makes the device insusceptible to pressure fluctuations and ensures constant, repeatable results.

The **PAMAS SBSS** is a laboratory particle counter for fuels and oils with external pressure supply and precise flow control for laboratory analysis.

Accurate single particle counting technique

The volumetric sensor cell and sophisticated optical components guarantee high resolution and accuracy. Every particle passing through the sensor is detected. This design ensures the true measurement of even ultra clean fluids.

Calibration

The system is calibrated according to the international standard ISO 11171. This calibration is traceable to NIST standards. Historical calibrations including ISO 4402 are still available on request.

Reporting of measurement results

according to the following standards:
ISO 4406, SAE AS4059, NAS 1638, GOST 17216, GJB 420B, CHARN, as well as raw data.
When using the software PAMAS PMA, the measurement results can additionally be reported
according to GJB 420A, NAVAIR 01-1A-17, SAE 749D, and ISO 11218.2.
The model PAMAS S40 AVTUR can also report as per DEF-STAN 91-091.

TÜVRheinland ZERTIFIZIERT
Management System
ISO 9001:2015
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