



PAMAS S40 AVTUR **Portable Particle Counting System** **for Fuels**

**Particle counter for analysis of fuel samples –
pressureless sampling and up to 6 bar system
pressure testing including the following fluids:**

- Aviation Turbine Fuel according to DEF STAN 91-091 and IP 577
- Diesel according to IP 630 and EN 590
- Petrol/Gasoline



PAMAS S40 AVTUR

Portable Particle Counting System for Fuels



Product features

- Robust & convenient design
- Lightweight only 8 kg
- Customizable measurement analysis settings
- Intuitive operation via touch screen
- Automatic sample flow and volume control by wear resistant ceramic piston pump
- Measurement from pressureless up to 6 bar system pressure
- Use of any sample vessel
- Internal data storage of more than 4,000 measurements
- Measurement printout via integrated thermoprinter
- Same measurement accuracy as a laboratory unit
- Multilingual menu navigation
- Battery running time of more than 4 hours

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.

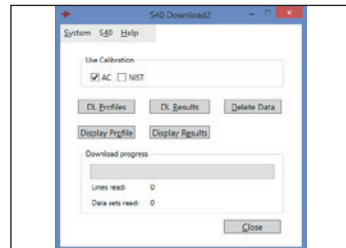
Calibration

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.

Software

PAMAS Download

The PAMAS S40 AVTUR comprises of the software tool - PAMAS Download. Transfer of the measurement results from the instrument is via a USB cable connected to a PC / laptop. The results can then be further processed, e.g. using Microsoft Excel®.



Software PAMAS Download

Reporting of measurement results

according to the following standards: DEF-STAN 91-091, ISO 4406, SAE AS4059, NAS 1638, GOST 17216, GJB 420B, CHARN, as well as raw data.

The PAMAS S40 AVTUR is optionally available in the robust PAMAS GO housing.



Rugged Case PAMAS S40 GO AVTUR

Technical data

- 8 size channels
- Touchscreen
- Integrated thermoprinter
- Data transfer: ASCII Code, USB interface
- Power supply: 100–240 V, 50–60 Hz
- Battery running time approx. 4 hours

PAMAS Volumetric Sensor HCB-LD-50/50

Available size ranges:

- 4–70 µm(c) (ISO 11171)
- 2–100 µm (ISO 4402)

Max. particle concentration:
24.000 P/ml* at 25 ml/min**

Other sensors for larger particle sizes or higher concentrations are available on request.

Size

310 mm x 145 mm x 360 mm
(W x H x D)

Weight:

8 kg

- * Coincidence error of 7.8 %
- ** Other flow rates are available on request.



Management System
ISO 9001:2015

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