

PAMAS S4031

Portable Particle Counting System for Liquids



PAMAS S4031

**Mobile System
for Particle Counting
Filtertest and
Cleaning Control**

**User-friendly operation
using touch screen with
graphic display**

The volumetric cell design of PAMAS sensors guarantees the highest accuracy, resolution and best statistical information

- Real portability with lab system accuracy
- User can configure the system to their needs in profiles
- Pressurized sensor avoids degassing
- Highest repeatability and reproducibility
- Compact analysing System for liquids: Raw-, waste- and drinking water, organic and corrosive fluids
- Parts cleaning according to ISO 16232-9 and VDA
- System can work online and as laboratory system
- Sensor calibration with latex spheres according to ANSI/NFPA and ASTM

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Flexible Software for different Application



PAMAS introduce a new development in general liquid monitoring. The PAMAS S4031 particle counter is a portable self contained instrument capable of analysing and reporting contamination, from a bottle or on line (up to 7 bar), at the point of use.

Where instant results are essential the PAMAS S4031 counter is the logical answer.

Including our tried and tested high quality laser based sensor system; repeatable accurate results are produced quickly and easily.

With a simple to use touch screen user interface operation is easy and intuitive.

For higher concentration contamination measurements the instrument can be configured to measure up to a limit of 120,000 particles per ml.

With 16 freely adjustable size channels the system has the flexibility to match the most demanding applications.

The conventional result reports the PAMAS S4031 has many options including NAS1638, SAE AS4059 and ISO4406.

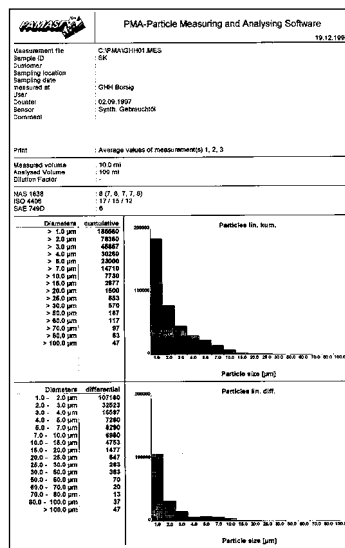
User-friendly Download software for transfer of stored measurement data to a PC as a basic feature. Data files are compatible with most spreadsheet software.

Remote Control with PMA Software



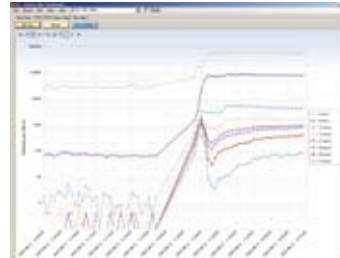
Cumulative and differential population histogram, absolute and percentage display.

Automatic storage and documentation in readable format. Classification of particle number and size within the sensor size range.



Complete profile and documentation for every application.

Online trend analysis with PAMAS Online Visualization Software



Trend analysis of particle counts in adjustable sizes within the sensor size range

Features

- Designed for water analysis.
- Portable and compact.
- Stand alone with printer and battery.
- Real time laboratory standard results on site.
- On line sampling up to 7 bar.
- Password protected user levels
- Storage of more than 500 measurement data sets
- User-friendly download software
- Operates on 90 - 230 V AC (50/60 Hz), or 12 - 30 V DC, or internal battery

Technical data

Sampling system:

- Wear resistant ceramic piston pump with controlled constant flow.

Controller:

- 32-bit high performance CPU with sophisticated programmable digital domain signal conditioning and 4096 internal channels

- Data printout: 32 column thermo printer

- Data transfer: 8 bit ASCII code through USB port (57600 baud)

- Power supply: 90 - 230 V AC (50 - 60 Hz) 12 - 30 V DC, internal battery (for up to 2h operation) LiCl battery for memory backup

- Weight and Size: Approx. 9 kg 300mm x 140mm x 300mm

Sensors:

- HCB-LD-50/50
Size range: 1-400 µm
Max. particle concentration: 24,000 p/ml at 25 ml/min
- HCB-LD-25/25
Size range: 1-200 µm
Max. particle concentration: 120,000 p/ml at 10 ml/min
- HCB-LD-25/15
Size range: 1-100 µm
Max. particle concentration: 200,000 p/ml at 10 ml/min
- HCB-LD-100
Size range: 1-800 µm
Max. particle concentration: 1,200 p/ml at 50 ml/min



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