

PAMAS 2132

Multipass Filter Test in Liquids

Single Pass Filter Test in Air

β -Ratio Analysis



PAMAS 2132 Analyser

**Volumetric cell design
of PAMAS sensors
guarantees highest
accuracy, resolution
and best statistical
information**

**High concentration levels
in β -ratio applications**

Simultaneous analysis in 2 x 16 channels

- Sensors can handle pressures up to 420 bar
- 1 μm sensitivity according to ISO-4402
- 3 μm sensitivity according to ISO-11171
- Threshold adjustment with D/A-converter by software
- Size ranges from 1 - 800 μm depending on sensors
- Different sensors for various applications
- Adaptable to any Multipass application and β -ratio analysis
- Particle concentrations of up to 200,000 p/ml at 10 ml/min

Integrated β -ratio analyzer with 2 sensors and complete flow control



PAMAS β -ratio analyzer integrated on-line box.

PAMAS-philosophy of volumetric cells guarantees that each particle passing the sensor will be detected and counted to size.

Calibration of sensors

According to ISO-4402 with ACFTD.

According to ISO-11171 with ISO MTD (NIST) in oil.

Pulse height calibration with latex standards, according to ANSI/NFPA T2.9.6R1-1990 and ASTM F 658-80.

Sensor resolution test according to the ISO-11171 calibration standard.



For test stand operation PAMAS integrates the counter, sensors and flow control in one metal box (to avoid electrical interference).

As an option printer and keyboard can be built in.

Technical data

PAMAS 2132 counter:

Power:
100 V, 115 V, 220 V, 240 V
50 – 60 Hz
Data transfer: ASCII code using RS-232C port.
Option:
RS-485 port, keyboard,
32-column thermoprinter

HCB-LD-50/50

Size range:
1 – 400 μm (latex calibration)
1 – 100 μm (ISO-4402)
4 – 70 μm (ISO-11171)
MPC: 24,000 p/ml at 25 ml/min

HCB-LD-25/25

Size range:
1 – 200 μm (latex calibration)
1 – 100 μm (ISO-4402)
4 – 30 μm certified (ISO-11171)
4 – 50 μm uncertified (ISO-11171)
MPC: 120,000 p/ml at 10 ml/min

HCB-LD-15/25

Size range:
1 – 100 μm (latex calibration)
1 – 100 μm (ISO-4402)
3 – 30 μm certified (ISO-11171)
3 – 50 μm uncertified (ISO-11171)
MPC: 200,000 p/ml at 10 ml/min

Option:

A/D - D/A Interface box:

According to customer specifications, e.g.:
8 inputs 4 – 20 mA/12 bit
8 outputs 0 – 10 V/12 bit

Temperature:

Fluid temperature: 0 – 60°C

Relative humidity:

0 – 95%, non condensing

Maximum particle concentration (MPC) for coincidence error less than 7.8% at defined flow rate (others can be selected)

All properties mentioned herein may change without being notified.

PAMAS HEAD OFFICE

Dieselstraße 10
D-71277 Rutesheim
Phone +49 7152 9963-0
Fax +49 7152 54862
E-mail info@pamas.de

PAMAS USA

6721 East 106th Street
Tulsa, Oklahoma, USA 74133
Phone +1 918 299 4019
Fax +1 918 299 7410
E-mail EdBielo@earthlink.net

PAMAS FINLAND

JHC, Hirsalantie 11
FIN, 02420 Jorvas
Phone +358 9 299 6886
Fax +358 9 299 6671
E-mail esko.niiranen@pamas.inet.fi

PAMAS BENELUX

Ravesteinstraat 33
B-3191 Hever
Phone +32-15 52 53 73
Fax +32-15 52 53 75
E-mail Paul.Pollmann@glo.be

Please visit our website at www.pamas.de