



Industrial Filters · Accumulators

Particle counter PC-40

Description:

The PC 40 is used for determination of oil cleanliness at site.

It can be connected to the pressure line of an operating hydraulic system.

Using different adaptors, oil sampling is possible up to a system pressure of 420 bar.

The oil cleanliness codes are shown on a display for particle sizes:

> 4 μ m (c), > 6 μ m (c) and >14 μ m (c).

Furthermore the particle size distribution >10 μ m (c), >21 μ m (c), >25 μ m (c), >38 μ m (c) and >70 μ m (c) can be shown.

The PC-40 is an ideal tool for regularly or continuous online monitoring of an high sensitive hydraulic system where high reliability and optimum oil cleanliness are important.

The PC-40 has further an integrated memory to save max. 500 data sets. These test results can be transferred to a computer or notebook and presented in charts using an optional software.



Technical data

Micro processor- controlled 8-channel particle counter for contamination control in liquids
size range: 4,6,10,14,21,25,38,70 μ m (c) as per ISO 11171
battery powered

Sensor:
laser Sensor HCB-LD-50/50
dimension of laser cell: 500x500 μ m
max . concentration: 24000 particles / ml
flow rate: 25 ml/min

threshold setting through D/A converter
battery - powered RAM, storable test profiles
integrated printer
software menu for counter settings in 4 different languages
Integrated sampling with wear free piston pump made of aluminum – oxide ceramic.

Ports:
1 High pressure port : 4-420 bar , mini-check
1 sampling ports low pressure 6 bar max.

Indication of oil cleanliness as per ISO 4406 and particle counts per volume
update of test results every 4 seconds
Memory for max. 500 data sets
Remote controllable via RS 232 interface in ASCII mode.
weight: appr. 9 kg, dimensions: 300x140x300 mm

Ordering code: PC-40

optional :
download software
transport case

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