

PC9001-LASER PARTICLE COUNTER WITH PRINTER

Online Particle Counter - Affordable, Accurate Analysis



Kleenoil brings you the latest technology for contamination control. The particle counter comes with archiving and trending software providing a cost-effective analysis solution and a must have for service engineers.



Before After

HOW CLEAN IS YOUR OIL?

INTRODUCTION

Perfect for proactive maintenance and on-line monitoring, the On-Line Laser Particle Counter-PC9001 is a continuous particle counter with instant LED readout, computer interface and trending software.

The particle counter along with the printer accessory is a must have in any analysis lab or maintenance department where you can check the condition and monitor your oil.

It is ideal for plotting ISO cleanliness trends with accuracy at +/- 0.5 an ISO code, the On-Line Laser Particle Counter-PC9001 utilizes the exact same laser particle counting technology found in more expensive laboratory particle counting equipment.

The On-Line Laser Particle Counter- PC9001 provides early warning sign for:

- Rise in contamination
- Component wear
- Filter and seal failure
- Water Ingress
- Oil Oxidation
- Cavitation

FEATURES

- Particle counting with LED readout via USB
- Attached Printer and Digital Screen for real-time reading
- Computer software for archiving data and trends
- Can be installed on all your Fuel or Oil Polishing Units
- Cost effective contamination control
- Accuracy is +/- 0.5 of an ISO code
- Test points for easy connection

BENEFITS

- Low cost and compact
- Highly accurate Robust design
- Ideal for fluid cleanliness trending
- Real time analysis of fluid cleanliness
 - ISO 4406, NAS 1638 & SAE AS4059 class readout
- Easy to install





EUROBOX- TECHNICAL SPECIFICATION

Model	PC9001-Eurobox
Dimensions	8.9 cm (W) 10.7 cm (D) 8.9 cm (H)
Enclosure	IP 66/67
Fitting connections	1620 test points
Power requirements	9 to 33 VDC, 150 Ma
Storage temperature	-40 to 85°C (-40 to 185°F)
Operating temperature	-10 to 60°C (-14 to 140°F)
Altitude limit	2000 m (6562 ft)
Overvoltage category	1
Pollution degree	4
Protection class	III
Light source	Laser diode, Class 1
Particle size/channel	4,6, 14 and 21 µm (ISO MTD)
Storage/operating humidity	97% relative humidity, non-condensing
Fluid compatibility	Hydraulic & lubrication oils, mineral, synthetic (Phosphate ester compatible) diesel fuels
Fluid viscosity	2 to 424 cSt ¹
Reports	ISO 4406, NAS and SAE cleanliness code
Wetted materials	Brass, aluminum (anodized), steel, stainless steel, sapphire, Aflas [®]
Performance verification	Optional validation certificate available (ISO MTD at 2.8 mg/L concentration)
Reproducibility	±0.5 ISO code (minimum concentration ISO MTD 2.8 mg/L, maximum ISO code is 29)
Weight	Approx. 7kg
Serial Interface	USB-B
Communication protocol	MODBUS RTU
Mounting holes	14.8cm x 8.8cm
Printer facility	Yes
Display	Digital Screen