

FIRST FOR DIAGNOSIS



The Filtertechnik Fuel Quality Monitor gives real time readings of particulate cleanliness, density and has a water alarm that alerts to water content in excess of 300ppm.



The most cost effective portable Fuel Quality Monitor on the market.
Make sure your fuel is clean, dry and not contaminated with water,
kerosene or other non diesel fluids.

The Fuel Quality Monitor is part of our award winning Particle Pal line of portable cleanliness and water monitor range of products.

Introduction



The Fuel Quality Monitor is a self-contained fuel quality testing system, complete with integral pump and governed flow rate. Whether on-site or in the laboratory, the Fuel Quality Monitor will provide instant cleanliness and density readings allowing you to quickly determine if your fuel is within specification.

Samples from a live delivery, fuel tank or sample bottles can be analysed quickly and accurately, thereby minimising the frequency of laboratory analysis. This pro-active maintenance approach is ideal for sites with multiple fuel tanks, thereby making the Fuel Quality Monitor the ultimate survey and diagnostic unit.

The Fuel Quality Monitor is fitted with highly accurate density meter that can alert to the presence of just 1% by volume of kerosene or water, some of the fluids typically substituted to save cost. Works on all diesel fuels, bunker fuel and gas oil.

Features

- Self contained with on-board pump
- Real time detection of solid contamination and moisture
- Real time graphic display via software
- Real time density check with rapid response time
- Alerts to the presence of water, kerosene or any other non diesel substitute
- Laptop connectivity for data transfer
- Archive creation via Excel
- Re-chargeable battery
- Incorporates latest laser particle counting technology

Benefits

- Compact, lightweight unit with robust casing
- Viscosity range (1-8 cst)
- Accurate, repeatable and consistent results
- Instantly measure the quality of all modern diesel and marine based fuels such as gas oil and bunker fuel
- Ideal survey tool for field and laboratory use
- Samples from a live delivery, fuel tank or fuel polishing cabinet

Fuel Monitoring

Modern fuels with ever increasing biofuel percentages, have created several challenges to industry in recent years. Fuel blends are highly hygroscopic which enables them to absorb greater amounts of moisture. This in turn leads to higher levels of microbiological activity which are seriously troublesome to fuel systems. The Fuel Quality Monitor will allow you to quantify the level of solid contamination in your fuel and will alert you to the presence of high moisture levels and diesel bug.



TECHNICAL SPECIFICATION

Case	HPX® high performance resin construction with press & pull latches and durable soft-grip handles.
Dimensions	360mm (W) x 290mm (D) x 170mm (H)
Run time	Up to 4hrs dependent upon fluid viscosity
Charge time	5 hrs
Particulate	Laser particle counter using light blocking (extinction) technology
Density	Oscillating Tube
Water alarm	Capacitance
Modes of operation	Tank sampling
	Bottle sampling (minimum sample 200ml)
Displayed information	Fluid cleanliness to ISO4406 (4u, 6u, 14u, 21u), SAE 4059, NAS1638 Fluid Temperature User programmable cleanliness level alarm Density in KG/L Red/Green water alarm set at approx 200 PPM
Information update time	2min (or selectable through software)
Software	PC based software for trending, logging and analysis. Log to .txt files for easy transfer to Excel
PC connection	USB (B type connection)
Viscosity range	1 –8 cst
Fluid compatibility	Diesel
Fluid temperature	-10...50°C (diesel)
Environmental:	Lid closed: IP67 (un-certificated) Lid open: IP54 (un-certificated)
Ambient temperature	-40...85°C
Maximum humidity	97% relative humidity, non condensing
Supplied	1m suction tube fitted with 80 MESH strainer (6mm OD) 1m discharge tube (6mm OD) Battery charger (UK 3 pin plug) PC software USB data transfer cable Manual
Certification	PC9001 factory calibration certificate CE declaration
Verification frequency	12 months recommended
PC requirements	Windows XP, Vista, Windows 7/8

*Specifications subject to change without notice