



DIESELCHECK PLUS

**PORTABLE OIL AND FUEL CLEANLINESS
MONITORING JUST GOT BETTER**

The new DieselCheck Plus uses state-of-the-art digital imaging particle counting technology to give reliable ISO counts that are not affected by air bubbles or phantom particles.

Combine with water, density and viscosity sensors to better understand the condition of your diesel.



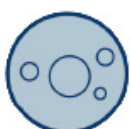
CRUCIAL EXPERTISE FOR CRITICAL APPLICATIONS.



ECONOMICAL & ACCURATE FUEL TESTING PROTECTS YOUR DIESEL ENGINES

Detect all common forms of fuel contamination promptly and accurately.

FUELS



PARTICULATE



PARTICULATE AND WATER AS %RH OR PPM



PARTICULATE AND WATER AS %RH OR PPM + DENSITY

DIESELCHECK PLUS HAS A WIDE RANGE OF ADVANCES OVER LASER COUNTER TECHNOLOGY



TOUCHSCREEN LCD DISPLAY SHOWING ALL SENSORS CONNECTED

The DieselCheck Plus has a touchscreen to display data from sensors including particulate, water (as %RH or ppm), density and viscosity depending on the model chosen. It can display ISO codes as a single reading e.g. 18/16/15, or the full range of ISO codes, particulate and bubbles counts up to 70µm. Alarm levels can also be set so ISO codes are coloured green or red indicating if cleanliness targets have been achieved.



IMPROVED FLUID FLOW, PUMP FEATURE SET

We have adopted high pressure internal gear pumps throughout the range. Standard pumps can handle oils up to 320cSt, while the advanced stepper motor pump can handle oils up to 2400cSt. Find on the ordering guide. A common input can accept pressurised live feeds up to 350 bar via a high pressure adaptor. All DieselCheck models can be connected directly to a live system using this optional extra.



DIGITAL IMAGING PARTICLE COUNTER

Precise digital imaging particle and air bubble readings up to a size of 70µm. Air bubble counts are eliminated from ISO codes. Digital imaging is not affected by phantom particles/additives which laser counters see as contamination.

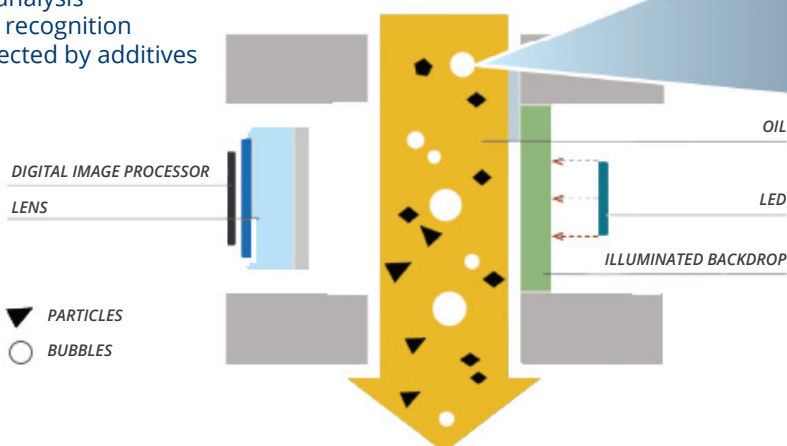


BATTERY LIFE

Complete with a rechargeable battery, giving up to 10 hours of continual use, fluid dependent, making the DieselCheck Plus perfect for field use.

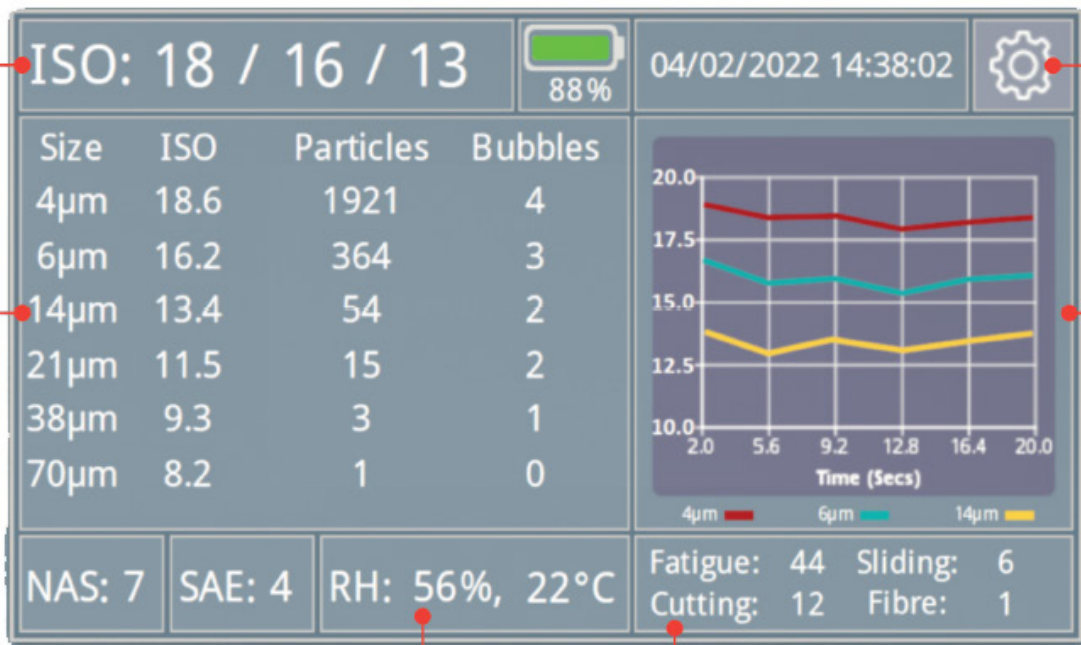
DIGITAL IMAGING TECHNOLOGY

- Wide particle range
- Shape analysis
- Bubble recognition
- Not affected by additives





EXAMPLE REPORT AND FEATURES



Clear and easy to read ISO code which changes between green, white and red to indicate the cleanliness.

Cleanliness for each size category details the ISO code, number of particles per millilitre and the bubbles detected.

Additional sensors give an unprecedented insight into the overall condition of the fuel.

Particles are analysed and sorted into fatigue wear, cutting wear and fibre identification to give root cause analysis.

Fuel cleanliness is trended over time to show how its condition changes.

Additional settings allow control of the pump speed for priming and flushing, datalogging, ISO cleanliness alarm limits and changing the time zone.

DIESELCHECK PLUS IS A MODULAR DESIGN; CHOOSE THE OPTION BEST SUITED TO YOUR APPLICATION:

SPECIFICATION TABLE

	FS9V4	FS9V4-RH	FS9V4-PPM	FS9V4-PPM-DEN	FS9V4-HV	FS9V4-RH-HV	FS9V4-RH-V-D-HV
FLUID COMPATIBILITY							
Mineral oils	✓	✓			✓	✓	✓
Organic oils	✓	✓			✓	✓	✓
Synthetic oils	✓	✓			✓	✓	✓
High viscosity oils (gear oil)					✓	✓	✓
Diesel fuel	✓	✓	✓	✓	✓	✓	✓
DISPLAYED INFORMATION							
ISO 4406, SAE AS4059 & NAS 1638	✓	✓	✓	✓	✓	✓	✓
Trending graph (ISO 4406)	✓	✓	✓	✓	✓	✓	✓
Relative humidity* (%RH)		✓				✓	✓
Part per million (PPM)			✓	✓			
Density				✓			✓
Viscosity							✓
Root cause analysis	✓	✓	✓	✓	✓	✓	✓
Temperature		✓	✓	✓		✓	✓
MODES OF OPERATION							
Bottle sampling	✓	✓	✓	✓	✓	✓	✓
Tank sampling	✓	✓	✓	✓	✓	✓	✓
High pressure live system connection (up to 350 bar)	Please contact IPU for this product						
MEMORY							
Internal data logging for 500 lines of data (16.6 hours of testing)	✓	✓	✓	✓	✓	✓	✓
TRENDING/SOFTWARE							
PC software for extracting and analysing data. Generate CSV files for advanced reporting.	✓	✓	✓	✓	✓	✓	✓



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MADE IN THE UK