

FIRST FOR PORTABLE PARTICLE COUNTING

FS9V2-PPM & FS9V2-PPM-DEN - particulate, PPM and Density monitoring

The FS9V2-PPM Particle Pal displays live cleanliness readings for particulate (ISO/NAS/SAE) & PPM (parts per million) FS9V2-PPM-DEN measures density.



The FS9V2-PPM is fitted with an accurate laser counter for diesel fuels and moisture sensor to measure the PPM. The FS9V2-PPM-DEN model can measure PPM and density (kg/l) of any diesel fuel sample.

Applications

- Data Centres
- Financial Services
- Healthcare
- Telecommunications
- Marine
- Rail

INTRODUCTION

The award winning and revolutionary portable particle monitor for advanced on-site testing of your oils or diesel fuels just got better. Our next generation V2 has many new features and a hugely improved fluid flow, pump feature set.

The FS9V2-PPM under the Particle Pal series show live ISO particle counts and is able to measure PPM water content for diesel fuels. We believe it's the most cost-effective portable cleanliness monitor on the market. The FS9V2-PPM-DEN model measures PPM and the density of a diesel fuel sample displayed in kg/l.

All of the FS9V2 models offer new features including a combined LCD screen and memory as well as a pressurised internal flow path for fluid. The whole kit is supplied in a robust case and have all components needed to start using instantly.

FEATURES

- Particulate readings displayed in ISO 4406, SAE 4059 & NAS 1638
- Real-time measurement of PPM
- Built-in memory for storing readings
- Bottle sample from a minimum of 200 ml
- Compact, lightweight unit with robust casing
- Viscosity range (1-320 cst)
- Density sensor option for diesel fuels
- Accurate, repeatable and consistent results
- Instantly measure the quality of oils
- Ideal survey tool for field and laboratory use

BENEFITS

- Compact, lightweight and robust
- Accurate, repeatable and consistent results
- Measure the cleanliness of oils
- Ideal survey tool for field or laboratory use
- Sample direct from tank and sample bottle

FS9V2-PPM & FS9V2-PPM-DEN

TECHNICAL SPECIFICATION

Model	FS9V2-PPM	FS9V2-PPM-DEN
Case	HPX® high performance resin construction with press & pull latches and durable soft-grip handles.	
Dimensions	411 mm (W) x 322 mm (D) x 170 mm (H)	
Weight	6.85 kg	
Nominal Battery Voltage	15.0 VDC	
Charge Voltage	16.8 VDC	
Capacity	5.2 Ah	
Charge time	2 hours (80%) 5 hours (100%)	
Modes of operation	Tank sampling	
	Bottle sampling (200ml minimum sample bottle recommended)	
Cleanliness standards	ISO 4406, NAS 1638 and SAE AS4059 and PPM	ISO 4406, NAS 1638 and SAE AS4059, PPM and Density (kg/l)
Pump type	Gear pump	
Duty cycle	Continuous	
Datalogging	Logging to internal memory transferred to USB stick as .csv file	
Viscosity Range	1-320 cSt	
Fluid compatibility	Diesel fuel	Diesel Fuel
Fluid temperature	-10...50°C (diesel fuel)	-10...50°C (diesel fuel)
Connections	1604 minimess test points, with 0.6 long 8mm tubing	
Pressure	2.5 bar max	
Environmental:	Lid closed: IP67 Lid open: IP54	
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	Factory calibration certificate CE declaration	
Verification frequency	12 months recommended	
PC requirements	Universal either Mac or PC, spreadsheet software (MS Excel)	



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