



MIL Hardened Portable Particle Counter

Particle Counter ASTM D7619 (Equivalent)



D-2 Inc Particle Counter Advantages...



- The most mobile particle counter in existence, with a backpack carrying option.
- The rugged design can withstand extreme weather conditions and still operate effectively.
- ASTM D7619 Equivalent Accuracy to determine fuel quality.
- Military Hardened Design tested for field use.
- Calibrated to ISO 11171 Standards.
- Compliant with ATPD-2424A.
- High Resolution Color Display.



MIL Hardened Portable Particle Counter

Particle Counter Spec Sheet

Technical Specifications	
Operation	
Principle of operation	Laser obscuration
Test methods	ASTM 7619
Particle size range	4µm(c) to 30µm(c)
Calibration	In accordance with ISO 11171
Test duration	2.5 Minutes
Pressure (max)	400 PSI
Sample temperature range	-30 to 50 °C
Operating temperature range	-30 to 50 °C
Sampling method	Bottle sample or online connection
Display and control system	160 color dimmable display, red/green ISO grading, dual backlit push buttons
Measurement	
Measuring channels	4 size channels displayed on instrument 4µm, 6µm, 14µm, 30µm
Coincidence error limit	60,000 particles/ml ≥4µm(c) with ≤ 5% co-incidence error (ISO 11171)
Sample viscosity (max)	64 mm ² /s (cSt)
Sample volume	80 ml
Sample delivery	Integral Piston Pump downstream of the cell
Sample flow rate	30 ml/min test, 60 ml/min flush
Data Management	
Results format	Cumulative, Particles/ml, ISO 4406 cleanliness codes/classes
Memory	200 Test points
External Data Output	memory output to PC or Printer
Power requirements	
Voltage	12 - 36 Vdc
Battery	99Wh, 6.8 Ah Lithium ion (8 hours, 200 tests min.)
Physical	
Size (HxWxD) / Weight (w/ Battery)	7" X 7" X 11.8", 11.5 lbs.
Construction	Aluminum Case
Environmental	IP67, MIL-STD-810 Method 512-Immersion Procedure 1 (1 meter, 5% salt, 30 minutes)
Carry case	Padded 800d face Ultra-PE blended with high-tenacity polyester shoulder carry case
Hose connectors	1620 Minimes



MIL Hardened Portable Particle Counter

Included Particle Counter Items...

Part #	Product Name
JF-PC-I	ISO 11171 Laser Particle Counter (Includes 1 Ea. JF-PC-PB)
JF-PC-PB	Power Supply, NettWarrior Cable & Universal AC Volt/Frequency Power Adaptor

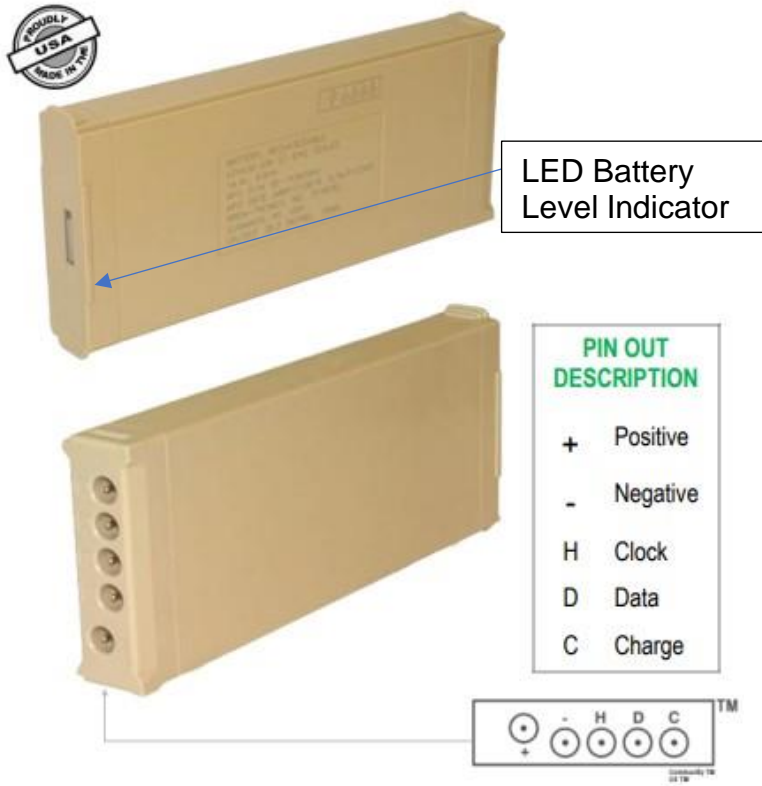
Particle Counter Options...

Part #	Product Name
JF-PC-CC	JF-PC-N Padded 800d face Ultra-PE blended with high-tenacity polyester shoulder carry case
JF-PC-CT-2M	Connection Tube to Counter, Stainless Steel 2-meter hose, Minimes 1620 to Minimes 1620
JF-PC-CB	Stainless Steel 1-meter hose Minimes 1620 to Standpipe
JF-PC-DS	Battery Upgrade Option Component 1 of 3: Docking Station for Battery Connection to Particle Counter
JF-PC-BT	Battery Upgrade Option Component 2 of 3: Li-Ion Battery, 99Wh
JF-PC-BC	Battery Upgrade Option Component 3 of 3: Battery Charger w/Universal Wall Adaptor
JF-PC-PB	Power Supply, NettWarrior Cable & Universal AC Volt/Frequency Power Adaptor
JF-PC-PS	Partisan 2806 Verification Fluid
JF-PC-CA	JF-PC-N Factory Calibration Service to ISO 11171
JF-PC-CO	JF-PC-N Optional Add-On - Internal ASTM D2624 Conductivity Sensor
JF-PC-DE	JF-PC-N Optional Add-On - Internal ASTM D7777/D4052 Density Sensor API Gravity @ 60°F
JF-PC-CC2	JF-PC-N Rugged SKB Carrying Case with Wheels and Handle
JF-PC-PR	Printer Upgrade Option Component 1 of 3: Thermal Printer Configured Epson M50 Printer
JF-PC-PC	Printer Upgrade Option Component 2 of 3: Thermal Printer Data Cable
JF-PC-PP	Printer Upgrade Option Component 3 of 3: Thermal Printer Paper Roll



MIL Hardened Portable Particle Counter

Particle Counter Battery...



3902-BT-70909AV Battery	
Type	Lithium-Ion (Carbon/Lithiated Metal Oxide)
Voltage	14.4V Nominal; 16.8V Maximum
Dimension	7.1 X 3.0 X 0.9 in
Weight	1.05 lbs.
Energy Rating	99 Wh
Capacity	6.8 Ah

The Particle Counter Battery is a high-capacity 99Wh, 6.8 Ah Lithium-ion battery. When fully charged, it enables the particle counter to operate continuously for up to 8 hours. With this capacity, it supports a minimum of 200 tests before requiring recharging. Meets IATA guidelines for Air Transport.



Proudly Made in America

All D-2 Inc. Products are made right here in the USA. We offer direct support for our products.