

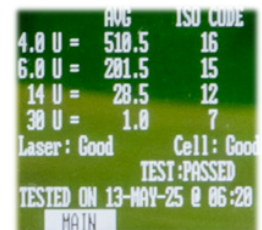
## FEATURES

- Field Portable and Laboratory Use Light Obscuration Particle Counter
- ISO 11171:2020 Calibrated
- ASTM D7619 Equivalent
- ISO 4406 Reporting
- Optional Conductivity & Density
- High Resolution Color Display
- Simple Two Button Operation
- Military Hardened and Ruggedized for Field Operation (Drop Tested)
- High Speed Flush
- Back Flush Capable
- 1620 Hydraulic Sample Couplings
- 110/240 VDC or Battery Powered
- Sample/Location Identifier Input
- Waterproof IP67



## DATA MANAGEMENT

Reporting	>4 µm (c), >6 µm (c), >14 µm (c), >21 µm (c), >25 µm (c) & >30 µm (c)
Results format	Cumulative, Particles/ml, ISO 4406 Cleanliness Codes 400 Test points, All
Memory	Test Data (Fully Resettable)
Programmability	User Programmable: RS232 Serial Commands, Optional Y-Cable @ 57600 BAUD
External Data Output	Memory Output to PC or SERIAL Printer Optional Y-Cable @ 19200 BAUD
USB	No
Alarm Limits	User Programmable for each defined fuel, max 5 fuels. (Pass Fail indicated by: Green/Red Display Background and Right Button LED)



## POWER REQUIREMENT

Voltage	110/240 Vac To 12 – 36 Vdc Adaptor
Battery	99Wh, 6.8 Ah Lithium ion (8 hours, 200 tests min.)

## STANDARD DESIGN

Construction	Aluminum Case – Powder Coated
Environmental	IP67, MIL-STD-810 Method 512-Immersion Procedure 1 (1 meter, 5% salt, 30 minutes), -30°C to 50°C Sample & Operating Temperature
Test Duration	2.5 Mins



Environmental chamber testing at -30°C

Test Pressure (Max)	27.5 Bar (400psi)
Viscosity (Max)	64mm <sup>2</sup> /s
Flow Rate	0ml/min Test – 60ml/min Flush
Sample Delivery	Integral Syringe Pump And Change Over Valve

## DIMENSIONS

Size (HxWxD)	178mm x 178mm x 300mm (7" x 7" x 11.5") (with Battery) 178mm x 152mm x 300mm (7" x 6" x 11.5") (without Battery)
Weight	4.1kg (9lbs) Standalone without Battery 5.0 kg (11lbs) Standalone with Battery

## INCLUDED ITEMS

sefiso Automatic Particle Counter  
Main Power Supply Cable & Universal AC Volt/Frequency

## PARTICLE COUNTER OPTIONS

Conductivity Option 0 – 2000 pS/M – ASTM D2624 – Not retrofittable – To Be Ordered From New Particle Counter  
Conductivity Option 0 – 2000 pS/CM – ASTM D2624 – Not retrofittable – To Be Ordered From New Particle Counter  
Density Option – Not retrofittable – To Be Ordered as New Particle Counter  
Canvas Shoulder Bag  
Carry Case SBK  
1620F Minimes to Connection Tube, SS, 2M long Spring Loaded  
1620F Minimes to Connection Tube, SS, 2m Spring Loaded, NSN 1638-01-132-9426  
1620F Minimes to Connection Tube, SS, 1m Spring Loaded, NSN 4730-01-092-0179  
1620F Minimes to 1620F Connection Tube, SS, Spring Loaded (1m)  
1620F Minimes to Standpipe Connection Tube, SS, Spring Loaded  
1620F Minimes to Minimes Pressure Guage Connection Tube, SS, Spring Loaded  
Partisan 2806 Verification Fluid – Recommended every 6 – 12 Months  
Rechargeable Battery

## PARTICLE COUNTER BATTERY

Type	Lithium-Ion (Carbon/Lithiated Metal Oxide)
Voltage	14.4V Nominal; 16.8V Maximum
Dimension	180mm x 76mm x 25mm (7" x 3" x 1")
Weight	0.45kg (1 lbs)
Energy Rating	99 Wh
Capacity	6.8 Ah



## INFORMATION

The Automatic Particle Counter is manufactured by D-2 Incorporated, USA.

## PART NUMBER

12300001