



## Fluid Cleanliness Made Easy

The Sentry 1000 fluid cleanliness monitor utilizes **mesh blockage technology** that provides more accurate and reliable fluid cleanliness analysis over light extinction monitors for non-homogenous fluids.

Unit is capable of measuring temperature, viscosity, and relative humidity (requires optional humidity sensor).

## Designed for Accuracy in Low Pressure Applications

The Sentry 1000 is able to accurately measure concentrations of smaller contamination particles (<10 µm) in a wide array of fluids.

## Data Compatibility

Data is automatically provided within **ISO fluid cleanliness** code parameters required for cleanliness certification.

- ISO4406
  - 3-Part ISO 4406 cleanliness code results (4µm; 6µm; 14µm)
- SAE AS 4059 table 1 (NAS 1638)
- SAE AS 4059 table 2
- GOST 17216-2001



Compatibility
Proven Mesh Blockage Technology
Ideal for Dark Fluids
Easy to Use
Fast, Accurate Results in Minutes
Long Battery Life
Rapid Accuracy with Repeatability
Portable
Stainless Steel Tubing with JIC Fittings
Stainless Steel Wand Storage
No-Flat Pneumatic Wheels

<b>Power Supply</b>	External Low Power Source: 48 VDC (90-260 VAC)
<b>Temperature Range</b>	Internal 12 VDC Lithium Ion Rechargeable Battery
<b>Compatibility</b>	Water Glycols, Aqueous Solutions, Petroleum and synthetic oils (hydraulic lubricating, dielectric, etc.), fuels, industrial phosphate esters.
<b>Seals</b>	Fluorocarbon
<b>Operating Viscosity</b>	1.5 to 450 cSt (30 to 2,200 SUS)
<b>Operating Pressure</b>	0 to 1 bar max
<b>Monitoring Range</b>	ISO 4406: <11/9/7 to 23/21/17 ----- SAE AS 4059 Table 1: Class 1 to 12 (derived from NAS 1638) ----- SAE AS 4059 Table 2: >4 µm 1A to 12A > 6µm 1B to 12B > 14 µm 1C to 12C
<b>Humidity</b>	% RH: ±2% at 5 to 95% RH (SCM-H)
<b>Accuracy</b>	±1/2 ISO 4406 Code
<b>Communication Ports</b>	(2) USB: Download Results, Printer, WiFi (1) USB: PLC Control Ethernet (remote control)
<b>Hose Fitting</b>	M10 X 1
<b>Enclosure</b>	IP 65 (NEMA 4)
<b>Dimensions</b>	350 x 280 x 280 mm (14 x 11 x 11 inches)
<b>Weight</b>	9 kg (20 lb)

