



Laser Particle Counter -
4, 6, 14, & 21 micron counts
displayed as ISO, NAS, & SAE



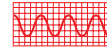
Water Sensor - shows relative
humidity of oil as % saturation



Internal Gear Pump -
with bypass for processing
pressurized and non-pressurized
vessels



Oil Life Sensor - gives warning
of oil life ending and also helps
inform if an oil change is required



Touch Screen - allows users to
navigate operational functions
with ease and analyze data



Digital Imaging - sensor sorts
particles into fatigue, cutting,
sliding wear, and fiber categories
to estimate cause of contamination

Features & Benefits

The Schroeder Pro: Total Fluid Health is a revolutionary portable service unit, designed to measure and differentiate particulate contamination, as well as determine oil life, relative water content, and temperature. This real-time insight into the health of synthetic, organic, and mineral oils, as well as diesel fuel, helps users make informed decisions with regard to fluid replacement and treatment planning.

Description

General Data	Measured Variables: Particle Differentiation / ISO Code / SAE Class / NAS Class / TAN-Delta Number (Oil Life) / Saturation Level / Temperature
	Particulate Measurement Standards: ISO 4406 ($\geq 4_{(c)}$ / $\geq 6_{(c)}$ / $\geq 14_{(c)}$ / $\geq 21_{(c)}$ / $\geq 38_{(c)}$ / $\geq 70_{(c)}$ / $\geq 100_{(c)}$), NAS 1638, SAE AS4059
	Particle Counter Measuring Range: Maximum ISO Code of 29
	Accuracy: ± 0.5 ISO Code (Minimum concentration ISO MTD 2.8mg/L)
	Operating Temperature Range: 32°F to 122°F
	Fluid Compatibility: Mineral-based oils, Synthetic oils, Organic oils, Diesel Fuels
	Dimensions (cover closed): (L) 16.2" x (D) 12.7" x (H) 6.7" (main device; accessory case: (L) 22.6" x (D) 20.9" x (H) 8.0")
	Environmental Protection: IP67 (cover closed) IP54 (cover open)
	Maximum Ambient Humidity: 97% relative humidity, non-condensing
	Weight: 26.5 lbs. (12.0kg) (main device; accessory case: 19lbs. [8.6kg])
	Calibration Verification Frequency: 12 months recommended
Hydraulic Data	Inlet Pressure: 36.3 psi (2.5 bar) Max. (5075 psi [350 bar] w/ adapter for pressurized lines)
	System Pressure: 145 psi (10 bar) Max.
	Permissible Viscosity Range: 1-2400 cSt (1-300 cSt with high pressure adapter)
	Operating Temperature: 32°F to 122°F
	Fluid Temperature Range: 14°F to 131°F (oils) 14°F to 122°F (diesel fuel)
	Pump Type: Gear
	Duty Cycle: Continuous
	Connections: 1604 minimesst test points, with 0.6m long 8mm tubing
Electrical Data	Power Supply Voltage: 115V AC
	Nominal Battery Voltage: 15.0V DC
	Charge Voltage: 16.8V DC
	Charge Capacity: 5.2Ah
	Charge Time: 2 hours (80%) / 5 hours (100%)
	Run Time: Up to 6 hours (viscosity dependent)
	Data Transmission: Internet, USB

Specifications

Model Selection



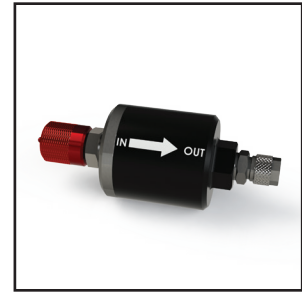
Schroeder Pro Series:
Total Fluid Health

7641078



Schroeder Pro Series:
Accessory Kit

Included w/ Schroeder Pro



Schroeder Pro Series: High
Pressure Adapter

Sold Separately

7641529

Items Supplied

- Schroeder Pro: Total Fluid Health Unit
- **Items included w/ included accessory kit:**
 - 120VAC Power Supply (charger)
 - Hotplate
 - Temperature probe
 - Magnetic stirrer
 - 100 mm wide funnel
 - (2) 100 mL sampling bottles
 - Sampling/vacuum pump
 - USB memory stick
 - (2) stoppers (8mm hole)
 - Viscosity cup
 - High-pressure device
 - (2) solid stoppers
 - (2) 500 mL flasks
 - Storage compartment for hoses and cables

Applications



Power Generation



Industrial Hydraulics



Wind Power



Steel Making



Off Road Mining &
Construction



Marine