



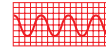
**Laser Particle Counter** -  
4, 6, 14, & 21 micron counts  
displayed as ISO, NAS, & SAE



**Water Sensor** - shows relative  
humidity of oil as % saturation



**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



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

## Features & Benefits

The Schroeder Pro: Total Fluid Life is a state-of-the-art portable service unit, designed to provide invaluable, real-time insight into the health of synthetic oils, organic oils, mineral oils, and diesel fuel. This insight helps fluid users make informed decisions with regard to fluid replacement and treatment planning.

## Description

<b>General Data</b>	<b>Measured Variables:</b>	ISO Code / SAE Class / NAS Class / TAN-Delta Number (Oil Life) / Saturation Level / Temperature
	<b>Particulate Measurement Standards:</b>	ISO 4406 ( $\geq 4_{(c)}$ / $\geq 6_{(c)}$ / $\geq 14_{(c)}$ / $\geq 21_{(c)}$ ), NAS 1638, SAE AS4059
	<b>Particle Counter Measuring Range:</b>	Maximum ISO Code of 29
	<b>Accuracy:</b>	$\pm 0.5$ ISO Code (Minimum concentration ISO MTD 2.8mg/L)
	<b>Operating Temperature Range:</b>	32°F to 122°F
	<b>Fluid Compatibility:</b>	Mineral-based oils, Synthetic oils, Organic oils, Diesel Fuels
	<b>Dimensions (cover closed):</b>	(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")
	<b>Environmental Protection:</b>	IP67 (cover closed) IP54 (cover open)
	<b>Maximum Ambient Humidity:</b>	97% relative humidity, non-condensing
	<b>Weight:</b>	20.8 lbs. (9.45kg) (main device; accessory case: 19lbs. [8.6kg])
<b>Calibration Verification Frequency:</b>	12 months recommended	
<b>Hydraulic Data</b>	<b>Operating Pressure:</b>	36.3 psi (2.5 bar) Max. (5075 psi [350 bar] w/ adapter for pressurized lines)
	<b>System Pressure:</b>	145 psi (10 bar) Max.
	<b>Permissible Viscosity Range:</b>	1-320 cSt (1-300 cSt with high pressure adapter)
	<b>Operating Temperature:</b>	32°F to 122°F
	<b>Fluid Temperature Range:</b>	14°F to 131°F (oils) 14°F to 122°F (diesel fuel)
	<b>Pump Type:</b>	Gear
	<b>Duty Cycle:</b>	Continuous
<b>Connections:</b>	1604 minimes test points, with 0.6m long 8mm tubing	
<b>Electrical Data</b>	<b>Power Supply Voltage:</b>	115V AC
	<b>Nominal Battery Voltage:</b>	15.0V DC
	<b>Charge Voltage:</b>	16.8V DC
	<b>Charge Capacity:</b>	5.2Ah
	<b>Charge Time:</b>	2 hours (80%) / 5 hours (100%)
	<b>Run Time:</b>	Up to 6 hours (viscosity dependent)
<b>Data Transmission:</b>	Internet, USB	

## Specifications

## Model Selection



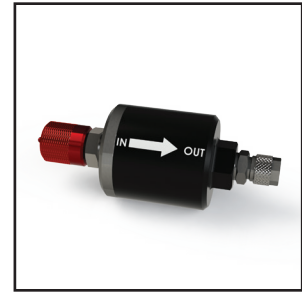
Schroeder Pro Series:  
Total Fluid Life

7641077



Schroeder Pro Series:  
Accessory Kit

*Included w/ Schroeder Pro*



Schroeder Pro Series: High  
Pressure Adapter

*Sold Separately*

7641529

## Items Supplied

- Schroeder Pro: Total Fluid Life 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