

Schroeder Pro Total Fluid Health



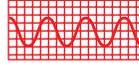
Laser Particle Counter - 4, 6, 14, & 21 micron counts displayed as ISO, NAS, & SAE



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



Water Sensor - shows relative humidity of oil as % saturation



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



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

Part of the Schroeder Industries Energy Sustainability Initiative

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.

Features & Benefits

Description

Specifications

Measured Variables:	Particle Differentiation / ISO Code / SAE Class / NAS Class / TAN-Delta Number (Oil Life) / Saturation Level / Temperature
Particulate Measurement Standards:	ISO 4406 (≥4(c) / ≥6(c) / ≥14(c) / ≥21(c) / ≥38(c) / ≥70(c) / ≥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
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:	1-2400cSt (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
Connection:	1604 minimess test points, with 0.6m long 8mm tubing
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

- CS 1000
- CS 1500
- CS 1939
- CSI-C-11
- HY-TRAX
- RBSA
- CSM
- TFC
- TFH**
- FCU
- MCS
- AS
- HLB
- SMU
- CTU
- EPK
- Trouble Check Plus
- HMG2500
- HMG4000
- ETS 3200 Tank
- ETS 3200 Inline Mount
- ET-100-6
- HTB
- RFSA
- HFS-BC
- HFS-15
- MFD-BC
- MFS, MFD
- HY-TRAX Retrofit System
- MFD-MV
- MFS-HV
- AMS, AMD
- FS
- AMFS
- KLS, KLD
- MCO
- AKS, AKD
- LSN, LSA, LSW
- X Series
- OLF Compact
- OLF
- OLF-P
- NxTM
- VEU
- IXU
- Triton-A
- Triton-E
- NAV
- SVD01
- SVD
- OXS
- Appendix

TFH Schroeder Pro Total Fluid Health

Model
Selection



Schroeder Pro Series:
Total Fluid Health

7641078



Schroeder Pro Series:
Accessory Kit

Included w/ Schroeder Pro



Schroeder Pro Series: High
Pressure Adapter

Included with Schroeder Pro

7641529

Items
Supplied

- Schroeder Pro: Total Fluid Life
Accessory Kit with included items:

- 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