

Schroeder Pro Total Fluid Health

TFH



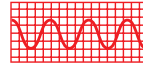
Laser Particle Counter - 4, 6, 14, & 21 micron counts displayed as ISO, NAS, & SAE



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

Si 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.

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 minimes 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

Features & Benefits

CS 1000
CS 1939
CSI-C-11
HY-TRAX®
RBSA
CSM
TFL
TFH
FCU
MCS
AS
SMU
CTU
EPK
Trouble
Check Plus

Description

HMG2500
HMG4000
ET-100-6
HTB

Specifications

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

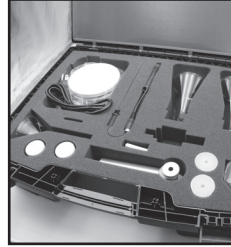
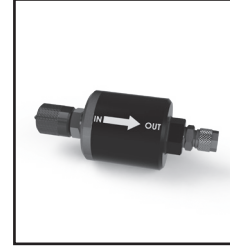
SVD

OXS

Appendix

Model
SelectionSchroeder 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 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