Schroeder Pro Total Fluid Health TFH

Features & Benefits

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 2030 Initiative

Description

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.

Specifications

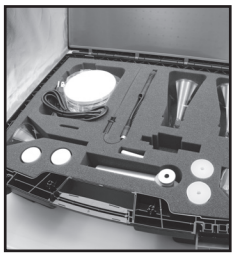
Measured Variables:	Particle Differentiation / ISO Code / SAE Class / NAS Class / TAN-Delta Number (Oil Life) / Saturation Level / Temperature
Particulate Measurement Standards:	ISO 4406 (≥4(c) / ≥6(c) / ≥14(c) / ≥21(c) / ≥38(c) / ≥70(c) / ≥100(c)) , NAS 1638, SAE AS4059
Particle Counter Measuring Range:	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, Synthethic 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

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

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