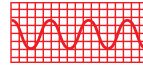


Schroeder Pro Total Fluid Condition

TFC



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 Condition is a revolutionary portable service unit, designed to measure and differentiate particulate contamination, as well as 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 / Saturation Level / Temperature
Particulate Measurement Standards:	ISO 4406 ($\geq 4(c)$ / $\geq 6(c)$ / $\geq 14(c)$ / $\geq 21(c)$ / $\geq 38(c)$ / $\geq 70(c)$), NAS 1638, SAE AS4059
Particle Counter Measuring Range:	Maximum ISO Code of 29
Accuracy:	± 1 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"
Environmental Protection:	IP67 (cover closed) IP65 (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:	USB

CS 1000

CS 1939

CSI-C-11

HY-TRAX®

RBSA

CSM

TFL

TFH

FCU

MCS

AS

SMU

CTU

EPK

Trouble
Check Plus

HMG2500

HMG4000

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

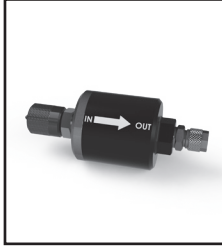
OX5

Appendix

Model
Selection

Schroeder Pro Series:
Total Fluid Condition

7647613



Schroeder Pro Series: High
Pressure Adapter
Sold Separately

7641529

Items
Supplied

- 120VAC Power Supply (charger)
- Suction Strainer and Tubing Assembly
- Return Tubing Assembly