

Features and Benefits

- Provides local visibility to the fluid condition of critical systems
- Integrated micro variable speed driven pump-motor provides optimal flow for accurate sensor readings in variable conditions
- The HY-TRAX® High Viscosity Fluid Sampling System allows a user to monitor fluid condition from a reservoir tank or a low-pressure sampling point
- The compact design allows for installations with tight space constraints
- The potentiometer-based pump controller is housed in a compact IP40 enclosure
- Optional AC adapter available for converting 115V AC / 60 Hz 24V DC
- Fluorocarbon elastomer (FKM) seals
- Fluid viscosities up to 3,250 SUS (700 cSt)
- Adjustable flow control valve providing optimal pressure for accurate sensor readings



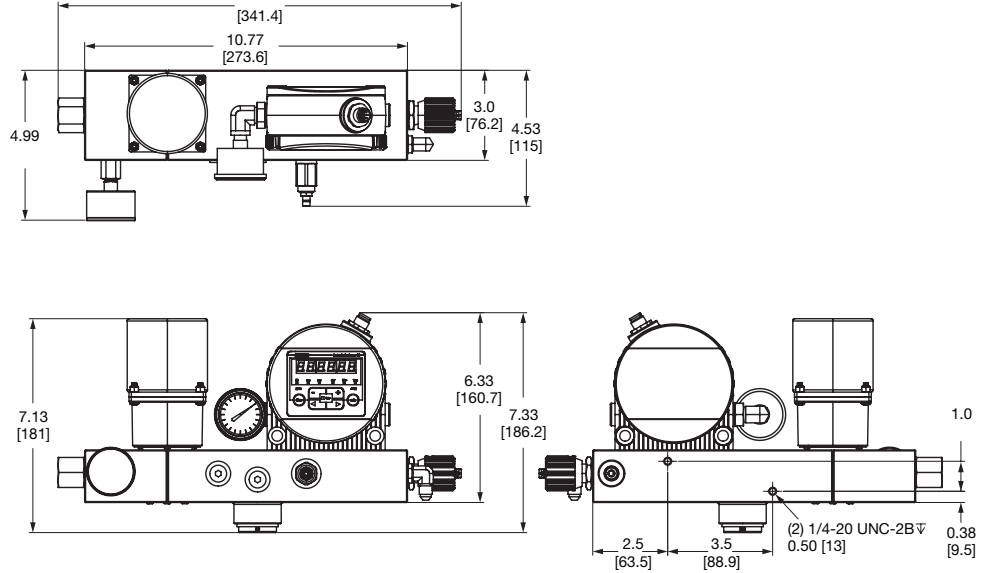
Model No. in photograph is HY-HV-1220.

Applications

- Industrial gearboxes
- Wind turbine gearboxes
- Bulk fluid storage vessels
- Industrial hydraulics in cooler climates

Measuring Range:	Full-scale: 9/8/7 to 25/24/23 Calibrated: 13/11/10 to 23/21/18
Contamination Output Code:	Standard: ISO 4406:1999 or SAE AS 4059(D) Optional: ISO 4406:1987; NAS 1638 and ISO 4406:1999
Self-Diagnosis:	Continuous with error indication via status LED on CS1000
Permissible Inlet Pressure Range:	-9.8 to 50 psig (-0.7 to 3.5 bar)
Maximum Permissible Operating Pressure:	160 psig
Inlet Port Thread Type:	SAE J1926-1: 3/4-16 - Female
Outlet Port Thread Type:	SAE J514: 7/16-20 37 - Male
Seal Material:	FKM (Viton®)
Permissible Fluid Temperature Range:	32°F to 185°F (0°C to +85°C)
Permissible Ambient Temperature Range:	32°F to 104°F (0°C to +40°C)
Max Viscosity:	3250 SUS (700 cSt)
Pump Type:	External Gear
Power Supply Voltage:	24 VDC
Max Power/Current Consumption:	100 Watt/ 4 amp
Contamination Sensor Analog Output Signal:	Standard: 4-20mA (time-coded) Optional: 2-10V (time-coded)
Water Sensor (AS1000 & AS3000) Analog Output Signal:	4 - 20 mA analog output (max burden 330 Ω)
Oil Aging Sensor (HLB) Analog Output Signal:	4-20 mA (time-coded)
Ingress Projection Rating:	IP 40 (control enclosure) IP 34 (pump motor)
Weight:	Control enclosure: 5 lbs. Fluid Sampling and Condition Monitoring Unit: 10 lbs.

Specifications

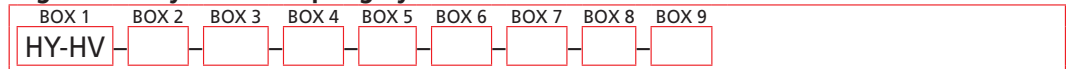


What's Included

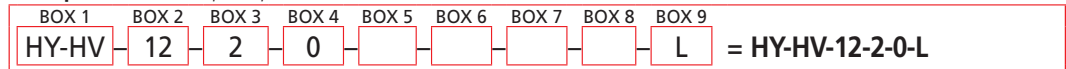
- HY-TRAX® High Viscosity Fluid Sampling System according to Model Code
- Operation and maintenance manual
- Sensor cables for integration with control module according to Model Code

Model Number Selection

How to Build a Valid Model Number for a Schroeder HY-TRAX® High Viscosity Fluid Sampling System:



Example: NOTE: One option per box



BOX 1	BOX 2	BOX 3
Model	ISO Code Preference	Display Options
HY-HV	NT = Manifold supplied w/o CS1xx0 (customer will supply own manifold mount CS1xx0 with display) 12 = ISO 4406:1999 and SAE AS 4059(D) 13 = ISO 4406:1999 and SAE AS 4059(D) or ISO 4406:1987 and NAS 1638	2 = with display

BOX 4	BOX 5	BOX 6
Fluids	Analog Interfaces (for CS1000)	Option Sensors
0 = Hydraulic/Mineral Oil	omit = 4 - 20 mA (Standard) S = 2 - 10V Analog Output	omit = None (Standard); plugged ports for future sensor integration AS = AquaSensor AS1008-C-000 AS-D = AquaSensor AS3008-5-000 HLB1 = HYDACLAB® HLB14J8-1C000-000 HLB2 = HYDACLAB® HLB14J8-00S12-000

BOX 7	BOX 8	BOX 9
Control Options	Power Options	Air Suppression Loop
omit = Manually controlled - panel with potentiometer-based flow control and signal output (Standard)	omit = 24 VDC w field-wireable female XLR connector (Standard) 24 VDC w/ 115V AC / P = 24V DC power supply w cable and plug	omit = none (Standard) L = Air-suppression hose loop (recommended)