HY-HV Series

HY-TRAX - High Viscosity Fluid Sampling System



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 lowpressure 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 to 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

Applications

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

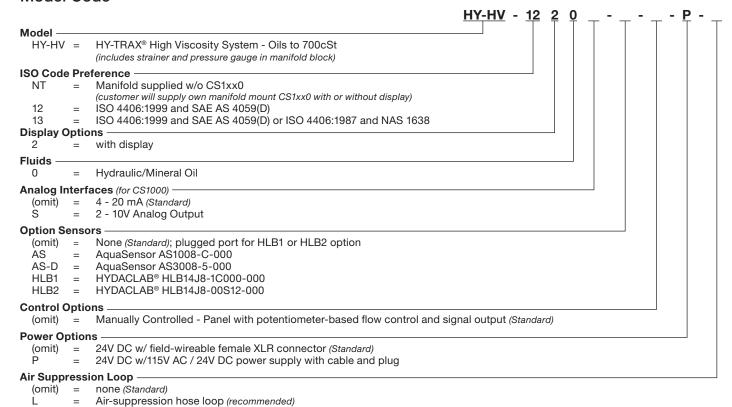
What's Included

- HY-TRAX® High Viscosity Fluid Sampling System according to Model Code
- Sensor cables for integration with control module according to Model Code (pass-through communication cables ordered separately)
- Operation and maintenance manual

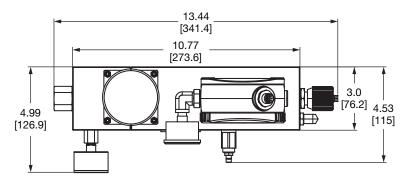
Technical Specifications

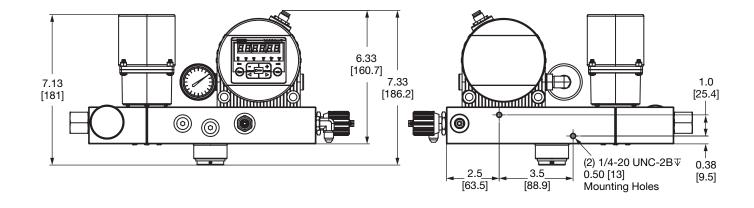
measurement range according to ISO 4406:1999	Full-scale: 9/8/7 to 25/24/23 Calibrated: 13/11/10 to 23/21/18
Contamination output code	Standard: ISO 4406:1999 and SAE AS 4059(D) Optional: ISO 4406:1987, NAS 1638 and ISO 4406:1999
Self-diagnostics	Continuous with error indication via status LED on CS1000
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)
Maximum permissible fluid viscosity	3,250 SUS (700 cSt)
Pump type	External gear
Power supply voltage	24V DC
Maximum power consumption	100W
Contamination sensor analog ouput signal	Standard: 4-20mA (time-coded) Optional: 2-10V (time-coded)
Water sensor (AS1000 & AS3000) analog output signal	4-20mA
Oil aging sensor (HLB) analog output signal	4-20mA (time-coded)
Ingress protection rating	IP 40 (control enclosure), IP 34 (pump motor)
Weight	Control enclosure: 5 lbs. Fluid sampling and condition monitoring unit: 10 lbs.

Model Code

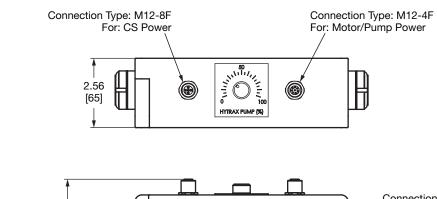


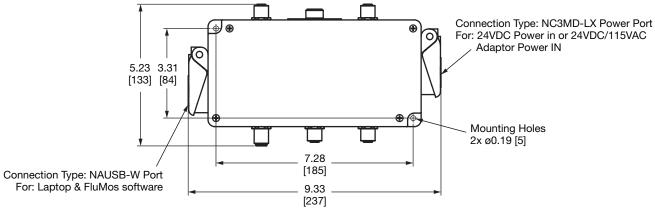
Dimensions HY-HV-1220

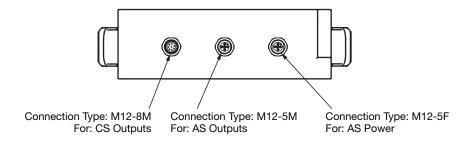


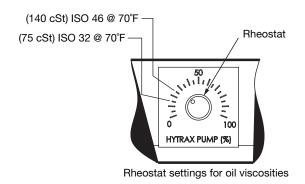


Dimensions Manual Control Box for HYTRAX









Notes

