Telematic Communications Module with Remote Controlled Sampling System

HY-TRAX®

HY-TRAX® Communications Module

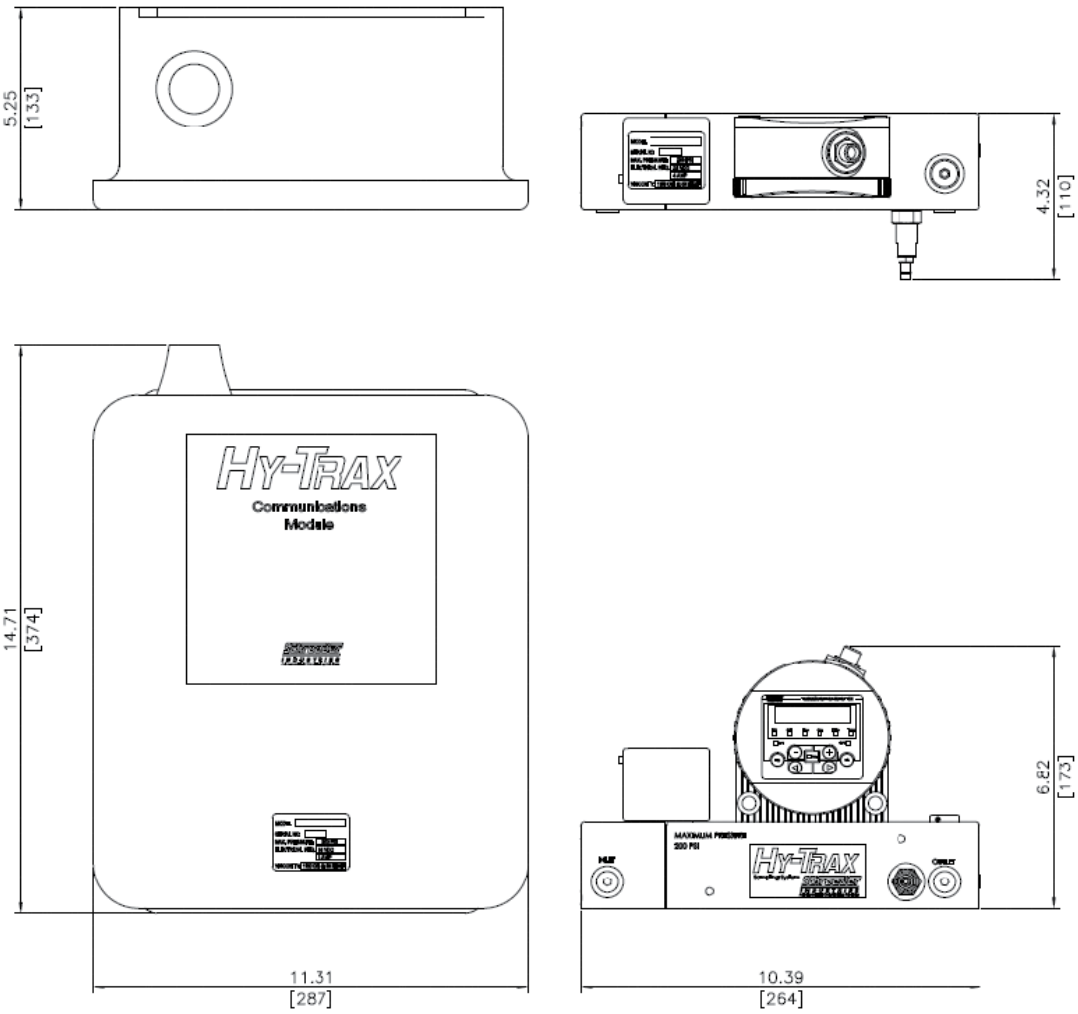
HY-TRAX® Telematics Communications Module can be utilized on existing CS installations when the sensor receives adequate pressure (>120 psi) and flow (30-150 mL/min) from the hydraulic system. The CS must have 4-20 mA outputs and Firmware version 3.0.

What's Included

- GSM cellular communications
- IP 40 enclosure
- VSD, (Variable Speed Drive), Motor Controller
- 115 VAC Power Supply

Features and Benefits

- Provides remote visibility to the fluid condition of critical systems.
- The HY-TRAX® Remote Oil Contamination Communications Module allows remote access via the Internet and smart devices to fluid particle counts, temperature and percent water saturation levels (optional) displayed on a customizable dashboard. The Communications Module collects and transmits data via GSM cellular at scheduled intervals. Users can receive alerts via email or text when the fluid's ISO contamination code or water saturation level (optional) reaches user defined critical levels.
- The Communications Module automatically controls fluid flow to compensate for viscosity changes due to temperature or fluid type. All data is transmitted through a secure VPN and archived in a protected database in the cloud to allow real-time and historical analysis.
- The HY-TRAX® Communications Module will provide maintenance managers with the visibility and vital information necessary to pro-actively schedule preventative maintenance on local and remote equipment. Maintenance decisions can now be based on accurate and real-time data.
- The communications module components are mounted and housed in a rugged IP 40 enclosure.



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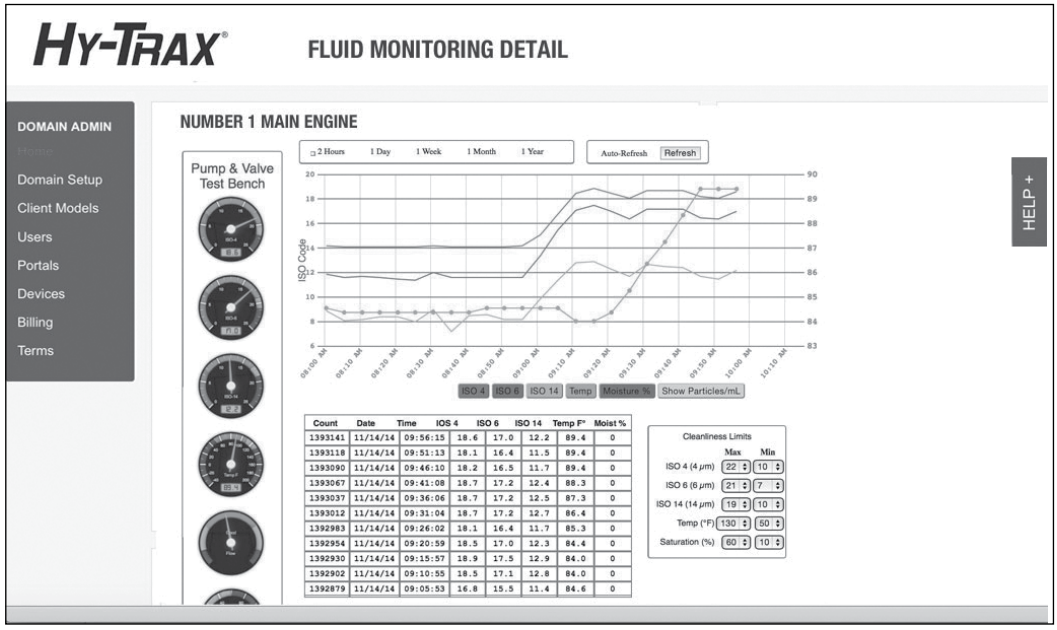
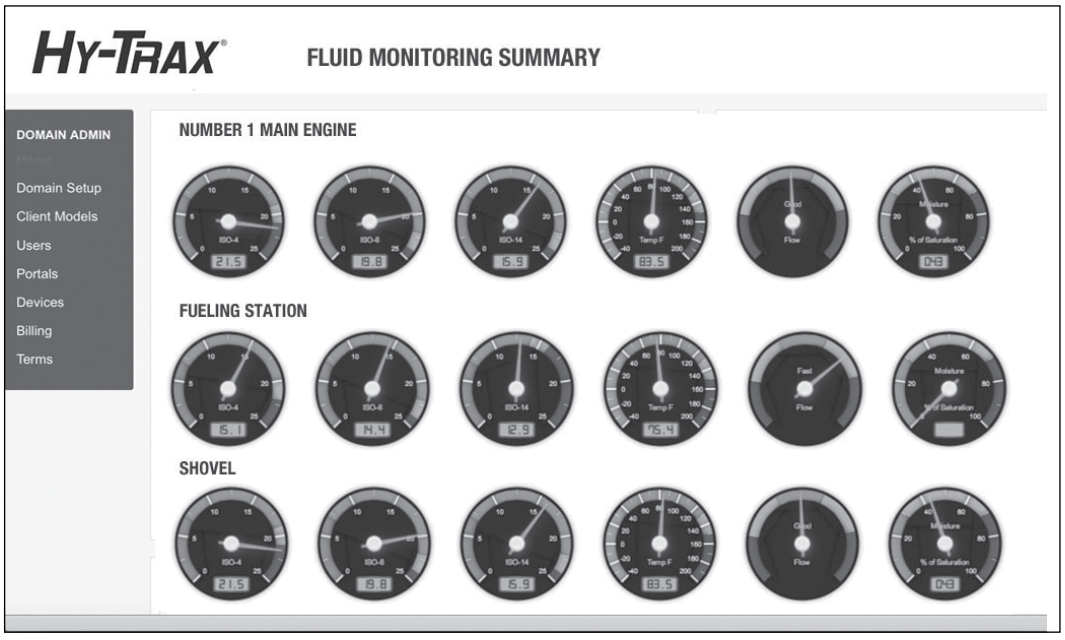


Example of HY-TRAX® Communications Modules Dashboard Contamination Chart



Example of HY-TRAX® Communications Modules Dashboard Gauge Panel

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Model Number Selection

How to Build a Valid Model Number for a Schroeder HY-TRAX® Telematic Communications Module with Remote Controlled Fluid Sampling System:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	BOX 8	BOX 9
HY								

Example: *NOTE: One option per box*

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	BOX 8	BOX 9	
HY		H		M		A			= HYHMA

HY-TRAX® Telematics Communications Module only operates with CS's operating on Firmware V03.00. Older firmware versions will not communicate proper flow rate to the telematics module. Contact factory for additional information.

BOX 1

Model
HY

BOX 2

TestMate® Contamination Monitor (TCM)
Omit = TCM w/ display
ND = TCM w/ no display
NT = Manifold supplied w/ no TCM, Customer will supply TCM; TCM must be 4-20 mA output only

BOX 3

Fluid Type
H = For use w/ Hydraulic & Diesel Fuel only*

BOX 4

TestMate® Contamination Monitor (TCM) Signal Output
Omit = 4-20 mA
NOTE: For customers with existing TCMs w/ a 2 to 10 V analog output please see HY-TRAX® Manually Controlled Sampling System

BOX 5

TestMate® Contamination Monitor (TCM) Output Options
M = ISO 4406/SAE 4049
N = ISO 4406/NAS 1638

BOX 6

Water Sensor (TWS) Option
Omit = None
TWS-D = Water sensor w/ display

BOX 7

Communications Module w/ Remote Controlled Fluid Sampling System
A = Telematic Communications Module w/ Dashboard Data Display (GSM Cellular)
NOTE: For customers with existing TCMs w/ a 2 to 10 V analog output please see HY-TRAX® Manually Controlled Sampling System

BOX 8

Communications Module Power Options
Omit = 24 VDC
P = 115 VAC

BOX 9

Air Suppression Loop
Omit = None
L = Looped hose and fitting

***Note: Off-road diesel contains dye. High concentrations of dye may interfere with particle count results. Please contact factory to review application.**