








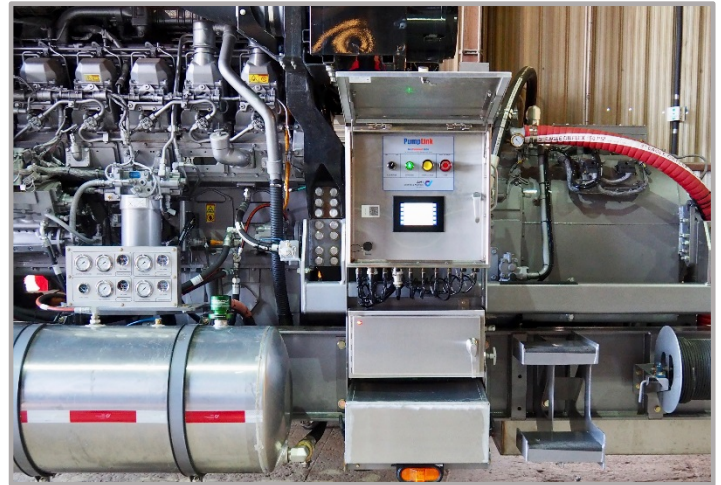


PumpLink

PumpLink is a pressure pump control system designed to improve your operational efficiencies and reduce maintenance costs. Empower your field personnel by equipping them with comprehensive job information and the ability to monitor and control pumps both locally and remotely.

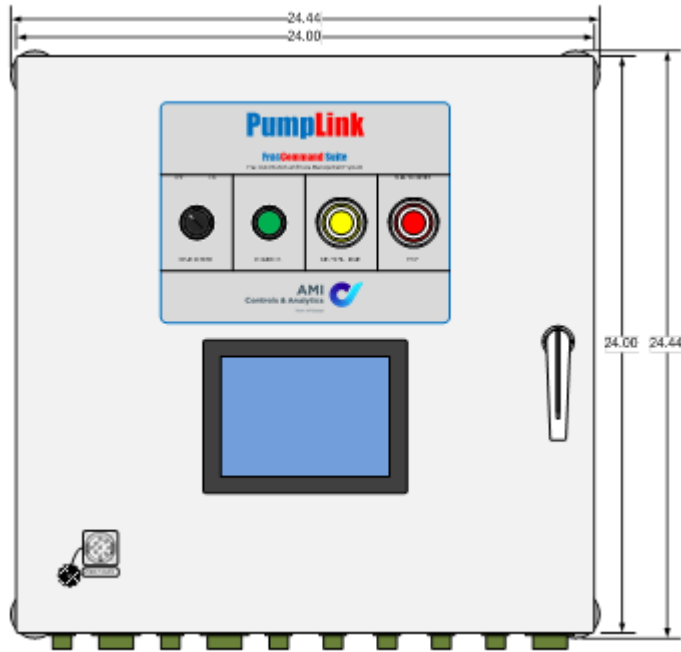
Features

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J1939 AND ANALOG CONTROL
 Provides J1939 and analog control for engines and transmissions built by all major manufacturers. *Tier 4 engine compatibility.*
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ADVANCED DIAGNOSTIC INTEGRATION
 J1939 and J2012 diagnostic interface with modern engines, transmissions, and pumps.
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FPGA TECHNOLOGY
 Responds to over-pressure conditions within milliseconds and immediately sends pumps into a safe, neutral idle state.
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DATA AVAILABLE VIA AMI ANALYTICS
 Allows remote monitoring of pump and maintenance statuses.
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INTEGRATES WITH DVCOMMAND
 Controlled remotely via the Multi-Pump Controller in the data van for efficient operation.
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FAN SPEED CONTROL
 Automated fan speed control based on multi-variables.
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GREASER CONTROL
 Automated greaser control with customizable timing options.
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COMPATIBLE WITH CATERPILLAR'S DGB™ SYSTEM
 Automatically enables DGB mode and requests a gas substitution of up to 85% so that the engines can operate at an optimal diesel and natural gas blend. Allows for operational fuel efficiency and cost savings.
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SERVICE AND SUPPORT
 Dedicated customer service from commissioning, training, and implementation through to field support.

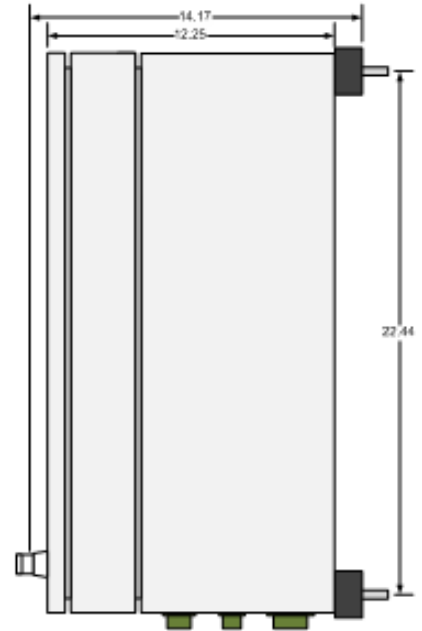


Hardware Specifications

- NEMA 4X 304 stainless steel enclosure
- National Instruments cRIO controller foundation
- J1939 CAN bus support
- Input voltage (DC): 24V
- Power consumption (rated): 240W
- Power consumption (max): 480W
- Ambient temperature operation: -40°C to +70°C
- Weight: 98 lbs (44 kg)



Enclosure Front View



Enclosure Side View (with Standard Double Door)

Notes:

- All dimensions are in inches. Custom sizing is available.
- Standard features are shown. Optional connections and front cover are available.

Functionality

AVAILABLE CONTROLS	AVAILABLE SIGNALS TO MONITOR
Engine and transmission control through J1939	Engine and transmission data available through J1939
Engine air shutoff	Engine oil temperature
Multi-variable cooling fan control	Engine oil pre-lube pressure switch (Cummins)
Advanced greaser control	Engine coolant low level
Auto warm-up	Fuel level
Boost pump control	Transmission oil temperature
Engine / transmission diagnostics – J1939 and J2012	Transmission oil pressure
Maintenance monitoring	Transmission torque converter lockup
Integrated EIM	Transmission filter service indicator
Pump startup / shutdown	Transmission output RPM
Customizable safety shutdowns	Suction pressure
Onboard data storage	Power end oil temperature
Integrates with third-party products including EIRS, PEMS, DTOC ^{®*} , and fire suppression.	Power end oil pressure
	Power end oil filter service indicator
	Hydraulic oil temperature
	Greaser pressure

*DTOC is a registered trademark of Caterpillar

Disclaimer: Advanced Measurements Inc. reserves the right to make product improvements and amendments to the product specifications stated throughout this datasheet without prior notification. Specifications reflect standard product performance for off-the-shelf components within the enclosure.