

BlenderLink

BlenderLink is a blender control system that allows you to quickly and efficiently achieve the desired slurry mix for your frac job. Improve job efficiency with responsive control both locally and remotely, to quickly achieve specified concentrations.

Features



AUTOMATED AND MANUAL CONTROL

All proppant augers, liquid adds, and dry adds are available through both manual and auto control.



RESPONSIVE TUB LEVELING

Automated suction pump PID control to quickly achieve desired tub level.



DENSITOMETER CALIBRATION SUPPORT

Provides support for calibrating Vega, ThermoFisher, and Berthold densitometers.



J1939 DISCHARGE TRANSMISSION CONTROL

Provides J1939 control for discharge transmission built by all major manufacturers.



GREASER CONTROL

Automated greaser control with customizable timing options.



DATA AVAILABLE VIA AMI ANALYTICS

Allows remote monitoring of jobs and maintenance status.



INTEGRATES WITH DVCOMMAND

Remote stage scheduling available via the Treater from the convenience of the data van.



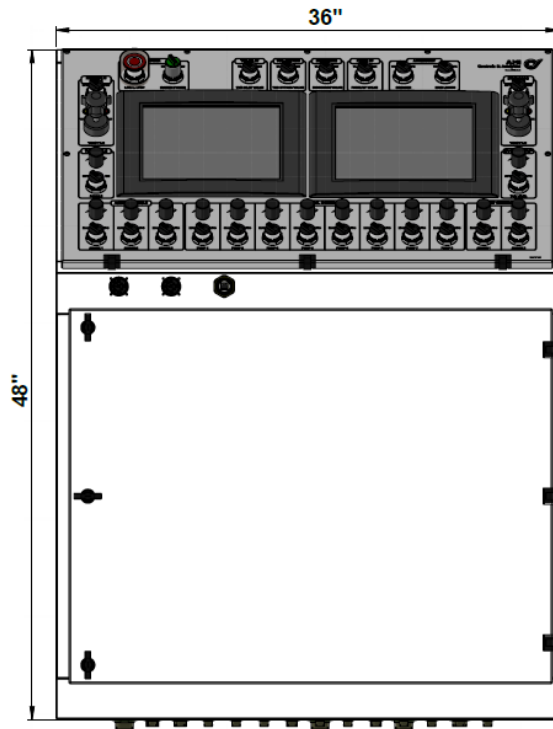
SERVICE AND SUPPORT

Dedicated customer service from commissioning, training, and implementation through to field support.

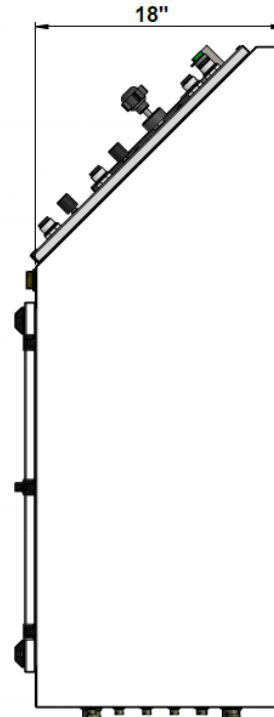


Hardware Specifications

- NEMA 12 operator console
- National Instruments cRIO controller foundation
- Redundant displays on local panel
- J1939 CAN bus support
- Input voltage (DC): 24V
- Power consumption (rated): 500W
- Power consumption (max): 800W
- Ambient temperature operation: -40°C to +70°C



Enclosure Front View



Enclosure Side View

Note: All dimensions are in inches. Custom sizing is available.

Functionality

AVAILABLE CONTROLS

- Automated control of up to three proppant augers
- Automated control of up to eight liquid adds
- Automated control of up to two dry adds
- Automated tub level control
- Multi-variable fan control
- Advanced greaser control
- Process valve control
- Discharge and hydraulic engine control
- Discharge transmission or clutch control
- Engine/transmission data and diagnostics – J1939
- Maintenance monitoring
- Onboard data storage

AVAILABLE SIGNALS TO MONITOR

- Proppant auger and dry chemical rates (RPM)
- Liquid chemical add rates (flow meters)
- Suction and discharge rates, turbine and/or magnetic flow
- Suction and discharge process fluid pressures
- Hydraulic and pneumatic system pressures
- Hydraulic system temperature
- Process valve position feedback
- Tub level and fuel level(s)
- Process fluid pH, viscosity, and conductivity
- Tier 4 Compatible

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.