

## TECHNOLOGY THAT WORKS SMARTER, NOT HARDER.

Nexus is the ultimate in electronic engine control. You can take control of your pumping operation(s) from essentially anywhere. Nexus allows you to monitor pump performance in real-time and manipulate your pumps from your smartphone or tablet based on the insights you receive.

- Real-time monitoring and pump unit management
- Quick start-up and shut-down
- User intuitive dashboard with customization



## FEATURES

### TOP-NOTCH INSIGHTS & CONTROL

Nexus was designed with user convenience and safety at the forefront. Here's what you can expect to easily regulate on your Nexus dashboard from a remote location:

- Start and Stop: Start and stop each pump individually as needed.
- Run All Pumps: Predetermine a target RPM for each pump unit, then gradually bring all pumps to their pre-set targets.
- Idle All Pumps: Bring all pumps in line to an idle.
- Stop All Pumps: Program it to stop all pumps and shut down immediately, or bring all pumps down to an idle setting before shutting them down completely.
- Increase & Decrease RPM Ranges: Set an incremental increase or decrease to easily adjust each pump's RPMs individually as needed. Similarly, if your pump is equipped with a flowmeter, you can also monitor your flow rate and total flow.
- Hydraulic Gate Valve Control: Open and close hydraulic gate valves on each pump unit as needed.
- Suction Pressure: Adjust the inlet pressures based on real-time suction pressure monitoring to prevent pump cavitation.
- Discharge pressure: Adjust the outlet pressures based on real-time pump performance readings to prevent your lay flat supply hose from blowing and causing a safety or environmental concern.
- Crew Creation: Assign specific pump units to different crews and crew members based on the needs of your business. This can be quickly changed for each pumping job and crew assignment.

## VALUABLE, REAL-TIME INFORMATION

The engine control panel display screen gives operators valuable, real-time information about each pump including, but not limited to:

- Engine RPM
- Engine Temperature
- Oil Pressure
- Coolant Temperature
- Fuel Level Sensing
- Pit Depth Sensing
- Suction Pressure
- Discharge Pressure
- Valve Positions
- Battery Voltage
- Cellular Indicator
- Auto vs. Manual Mode
- Engine Load
- Hydraulic Temperature and Low Level
- Switches
- Hydrostat Percentages – High & Low Pump
- PSI's
- Flow Rate (If an Additional Flowmeter is Added)

*Note: Engine codes will alert you with a yellow caution sign or red stop sign to indicate engine errors or warnings.*

## SPECIFICATIONS

### ENGINE COMPATIBILITY

Nexus is compatible with the following engine brands:

- CAT
- Cummins
- Detroit
- Ford
- FPT
- IH
- John Deere
- Perkins
- Volvo

*Please call for further details on engine compatibility.*

### STANDARD

- Nexus controller stand and mounting hardware
- [2] Pressure transducers
- Reception antennas and harnessing
- Verizon 1-year data package plan and support

### UPGRADES

- Pit depth sensor
- Fuel level sensor
- Flowmeter integration
- Remote valves packages (Support up to 5 remote valves)
- Remote control packages for mechanical engines
- Hydrostat integration kits
- Hydraulic clutch control