

Lufkin Well Manager™ 2.0

Rod Pump Controller

Trusted design and reliability, now with smarter technology that gives operators enhanced connectivity, functionality and flexibility.

Backed by years of oilfield experience and expertise, the next generation Lufkin Well Manager (LWM) offers smarter, more efficient data gathering capabilities and an intuitive interface that helps you maximize well performance while improving artificial lift equipment operation.

Simple, intuitive interface

The new controller includes a full color, high resolution user interface, complete with on-board Wi-Fi connectivity. A field operator at the well can simply connect with a laptop, Tablet PC and/or mobile device to retrieve needed data. Because the LWM 2.0 acts as a web server, there is no need for proprietary software on these devices.

Advanced control capabilities and accurate readings

More than a rod pump controller, the LWM 2.0 features advanced Pump Off, VSD functions, and downhole calculations considered the most accurate in the industry. The LWM 2.0 also functions as a standard PLC, supporting ladder logic and PID control functions with multiple options for I/O expansion including AI, AO, DIO, PI, RTD and thermocouple inputs.



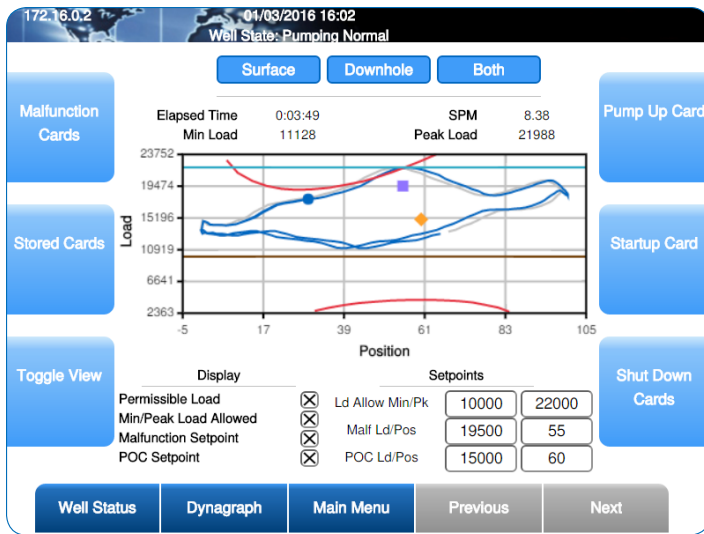
Modular design and multiple communications ports

The modular design of the LWM 2.0 provides easy field service solutions and includes a communications module complete with multiple Ethernet ports, RS-232, RS-485 and Wi-Fi communications.

In a SCADA environment, Modbus RTU & TCP are supported in both master and slave modes. Connectivity via Ethernet is fully supported, as are optional communication protocols such as HART. Dynamic Modbus Register Configuration functionality provides the operator with the flexibility to design a most efficient SCADA system.

Stay on top of your field and in control of your wells

LWM 2.0 is available as part of GE's Field Vantage solution that applies the power of GE's Predix operating system to help operators visualize well, field, and operation-wide data for smart deployment of resources and decision-making. Users can predict issues with their lift systems, and optimize production and reduce operating costs.



Full-color screen and wireless internet capabilities add flexibility and ease of use.



Contact your representative at:
+1 281 875 6500 | +1 281 495 1100

More information available at
www.geoilandgas.com/artificiallift



Specifications

Supports
Beam Pump, Pump Off Control
Beam Pump, Variable Speed Control
Progressing Cavity Pump Control
Linear Pump Control
POC or VSD Control with DH Pressure Gauge
New Control Capabilities
Predictive Rod Failure Alarm Mode
Native PLC Ladder Logic Capabilities
Sequential Logic Programming
Customer Selectable, True or Effective Downhole Loads
Permissible Load Diagrams
Gear Reducer Torque Diagram (Calculated from Actual Rod Load)
Inter Stroke Sectional Speed Control
Hardware
Color Screen
Standard I/O: 2AI, 4 DIO, 2 PI Expanded I/O: 8 AI, 8 DIO, 2 PI, 2 AO
Soft Keys (11) with Enhanced Menu
Expandable I/O Options
Modular Design
cULus, IEC
IP 66 Rating
-40°F to +158°F/-40°C to 70°C
SD Card Slot for Software Upgrades or Data Downloads
USB Port for Additional Storage
Software
Function Block Programming
Firmware (Function Blocks) Upgrades Through Ethernet SCADA
Communications
Native Wi-Fi Capability (Option)
Native Cellular Capability (Option)
Web Server Compatible with any standard internet browser, including Apple Safari, Google Chrome and MS Explorer. Compatible with Smart Phone Internet browsers
Controller Screens (HTML 5 Pages) can be viewed on a Laptop or Tablet PC via a standard wired Ethernet or Wi-Fi connection.
Serial RS-232
Serial RS-485
Ethernet, Modbus TCP Client
Ethernet, Modbus TCP Master
Ethernet Switch, On-Board capability
Dynamic Modbus Mapping
Hart Protocol (Option)

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