LUFKIN WELL MANAGER™

Rod Pump Controller

LUFKIN WELL MANAGER (LWM), the rod pump controller from Lufkin Automation, combines the technologies of Delta-X and Nabla. LWM is much more than just a pump-off controller. It can control from downhole card, surface card or motor power. LWM’s powerful, patented technology calculates a downhole card on every stroke of the pumping unit, utilizing the complex mathematical computations found in DIAG™ software. Its flash memory delivers quick upgrades without changing components. An added expansion bus allows the unit to grow with your requirements, from additional I/O to communication ports. Its patented algorithms accurately control and analyze your rod pumping system, making it the leader in rod pump control and total well management.

Increased Profitability with LWM

<table>
<thead>
<tr>
<th>Production</th>
<th>Increased Production</th>
</tr>
</thead>
<tbody>
<tr>
<td>Profits</td>
<td>Economic Life</td>
</tr>
<tr>
<td>Lifting Cost</td>
<td>Additional Profits</td>
</tr>
</tbody>
</table>

Reduced Lifting Cost

Time

Industry Leader Provides:

✔ Increased Production and Revenue
✔ Lower Lifting Costs
✔ Accurate End Devices and Data
✔ Proven Downhole Pump Control

LUFKIN.COM/AUTOMATION
LUFKIN WELL MANAGER™ Rod Pump Controller

Features & Benefits

- Downhole, surface or motor power control
- LWM Well Test
- Automatic downtime determination
- Peak energy management
- Peak and minimum load protection
- Fluid load alarm
- PRHP alarm
- Belt slippage alarm
- Time-stamped events
- 60-day plots
- Saves start, pump-up and shutdown cards
- Valve checks
- Rodometer and pumpometer
- Rod and pumping unit database
- AGA 3 and NX 19 option
- VSD control option
- Flash memory
- Multiple port connections
- Backlit high-resolution LCD
- Temperature range -20°C to +60°C
- Pluggable connectors
- Input power 120 V AC/ 240 V AC 60 Hz/50 Hz
- NEMA 4X enclosure
- Surface-mounted electronics
- MODBUS protocol with added features

- RPC I/O dedicated
  - Two isolated analogs (load/position)
  - Two pulse inputs (crank/rpm)
  - Four digital outputs
- User I/O
  - Four digital input/outputs
  - Expansion bus and I/O
  - Isolated analog inputs
  - Programmable logic expressions for I/O
  - Supports load cell and beam transducer
  - Supports hall effect, inclinometer and switch

Contact Lufkin Automation

Automation Headquarters
811 Willow Oak Drive
Missouri City, Texas 77489

(281) 495-1100
Fax: (281) 495-6333

E-mail automation@lufkin.com for additional locations and information.