



Unico ESP

Variable Speed Drive

*Next level control technology to
maximize production and reliability*



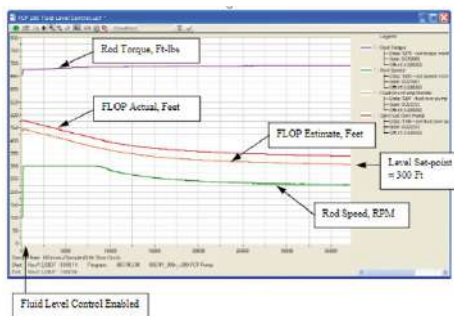
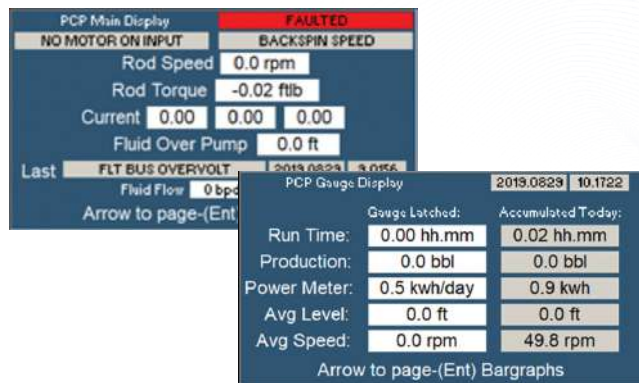
Unique ESP Modeling

Unico ESP Variable Speed Drive systems have patented algorithms, sensorless fluid flow, level estimation, and well inflow simulation. This unique ESP modeling assists in control and optimization of the well.

With embedded intelligence built into every Unico ESP drive, you will achieve optimal performance and protection for CBM, HPS and deep oil well applications under all conditions.

Simple Guided Setup

Easy access to data and setup parameters

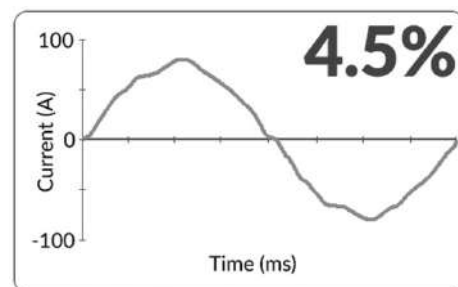


Control and Optimization

Accurate and repeatable results with sensorless fluid level indication and control

Reduce Cost and Footprint

AHD patented harmonic mitigation



60 hp 6-pulse Unico drive with AHD® control and passive harmonic input filter



Why Unico ESP Drives are the Leaders in Optimization Automation

Patented algorithms in the drive maximize production while protecting the pumping system.

Production Optimization

- Pump Intake Pressure Monitor & Control
- Well Inflow Simulator
- Gas Mitigation
- Pump Off Control
- Gas Lock Prevention
- Differential Pressure Monitor

Energy Efficiency

- Current Limit Control
- Optimum Speed Control

Equipment Protection

- Backspin Sensing
- Sensorless Speed/Torque Control
- Underload/Overload Protection
- Pump Torque
- Low Speed Detection
- Motor Thermal Limiter

Advanced Features

- UEDIT®-built in soft PLC capability
- System Modelling
- PMM control
- Sensorless Fluid Flow Estimate
- Multi-Rate Acceleration
- Multi-Rate Acceleration
- Technical Support/Training
- Remote Connectivity
- Mobile Device Connectivity



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Maximum Performance

Unico ESP Variable Speed Drives offer application engineered drives for electric submersible pumps at power levels ranging from 10 to 1200 hp.

Unico ESP VSD's power disturbance ride through, backspin speed sensing, closed-loop speed and torque regulation, closed-loop fluid level control, patented sensor less fluid flow and level estimation, well inflow simulator, and rocking start ensure maximum performance from your ESP application.

General Specifications

- Input Voltage: 380-460vac, 575vac $\pm 10\%$
- Power Range: 10-1200Hp (7.5kw-900kw)
- Enclosure: NEMA 4 (IP55)
- Operating Temp: -40 to 104°F (-40° to +40°C)
up to 122°F (+ 50°C) with de-rating
- Listing: UL, CE available



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Specifications subject to change without notice.

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