



# Unico PCP Variable Speed Drive

*Precision control of motor torque and speed under dynamic conditions to ensure maximum production and safe operation.*



# Autonomous Optimization

Unico PCP Variable Speed Drives integrate motor control and well optimization into a single, compact solution maximizing production, energy efficiency and reliability of your pumping system.

These application engineered drives provide advanced control for PCP systems by utilizing patented algorithms and modelling to continuously maximize production while ensuring pumping system integrity.

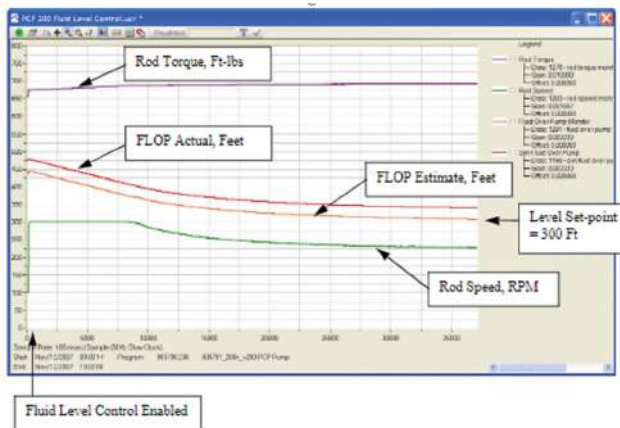
## Easy access to information

Create shortcuts for favorite views, graphs for troubleshooting, guides for easy setup and diagnostics

**PCP Main Display** FAULTED

NO MOTOR ON INPUT	BACKSPIN SPEED
Rod Speed	0.0 rpm
Rod Torque	-0.02 ftlb
Current	0.00 0.00 0.00
Fluid Over Pump	0.0 ft
Last	FLT BUS OVERVOLT 2019.0829 10:17:22
Fluid Flow	0 bpc
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PCP Gauge Display		2019.0829	10.1722
Run Time:	0.00 hh.mm	Accumulated Today:	
Production:	0.0 bbl	0.02 hh.mm	
Power Meter:	0.5 kwh/day	0.9 kwh	
Avg Level:	0.0 ft	0.0 ft	
Avg Speed:	0.0 rpm	49.8 rpm	
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## Advanced Control

Sensorless Fluid Level Control





# Why Unico PCP Drives are the Leaders in Optimization Automation

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

## Production Optimization

- FOP/PIP Calculation
- Fluid Level control
- Production Estimator
- Backspin Power Control
- Stuck Pump Mode
- Stick-slip oscillation damping
- Gas Flow Optimizer
- Advanced Pump Restart

## Energy Efficiency

- Improved Power Factor
- Optimum Speed Control
- Power Flow Optimizer
- Solar Power Optimizer
- Time-of-use control
- Power Demand Limiter

## Equipment Protection

- Pump Diagnostics
- Pump Torque
- Low Speed
- Rod Torque limiter
- Belt Slip Detection
- Low Torque

## Advanced Features

- UEDIT® -built in soft PLC capability
- System Modeling
- PMM Control
- Well Analytics
- Fault / Event History
- Technical Support/Training
- Remote Connectivity
- Mobile Device Connectivity



# Unico PCP Variable Speed Drive

## Optimized for CBM to Heavy Crude

Unico PCP Variable Speed Drives are engineered for PCP systems ranging from 10-300 HP. The software designed by Unico optimizes the operation in all PCP driven systems from CBM to heavy crude oil applications.

Unico fully featured drives support induction and PM motors, and include packaging for reliable operation in all environments, patented power disturbance ride through, backspin control, precise torque control, sensorless fluid measurement and remote connectivity.

## General Specifications

- Input Voltage: 380-460vac, 575vac +10%
- Power Range: 10-300 HP (7.5kw - 225kw)
- Enclosure: NEMA 4 (IP55)
- Operating temp: -40° to 104°F (-40° to +40°C) upto 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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