



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.

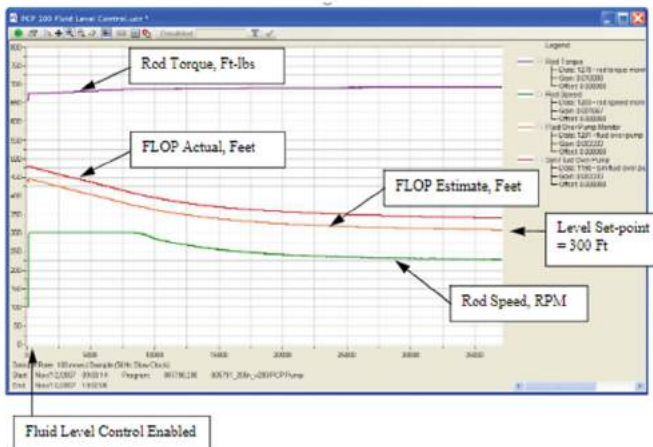
These application engineered drives provide advanced control for PCP systems by utilizing patented algorithms and modelling to continuously maximize production while ensuring pumping system integrity.

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	2013.0823	3.0156
Fluid Flow		0 bpd	
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PCP Gauge Display		2013.0823	10.1722
	Gauge Latched:	Accumulated Today:	
Run Time:	0.00 hh:mm	0.02 hh:mm	
Production:	0.0 bbl	0.0 bbl	
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	
Arrow to page-(Ent) Bargraphs			



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 PLC
- System Modelling
- Mobile Device Connectivity
- Well Analytics
- Fault / Event History
- Technical Support/Training
- Remote 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

- Inlet Volt(3 phase) 230,380-480,575 +10%
- HP Range 5-300 HP (480V)
- NEMA 4 enclosure
- Operating temp -40° to 104°F (derate to 122°F)
- UL Listed



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UNITED STATES

CORPORATE HEADQUARTERS
3725 Nicholson Rd. P. O. Box 0505
Franksville, WI 53126-0505
(262) 886-5678

UNITED KINGDOM

Unico (UK) Ltd.
Garamonde Drive Wymbush,
Milton Keynes MK8 8LF
+44.1908.260000

GERMANY

Unico Deutschland GmbH
Dortmunder Straße 7
D-57234 Wilsdorf
+49.2739.303.0

AUSTRALIA

(Manufacturing, Engineering,
Sales And Service)
Unit 3, 553 Boundary Road
Darra, Queensland 4076
+61.7.3713.7830
+61(0)439.700.548

COLUMBIA

Centro Empresarial Metropolitano
KM. 3.4, Calle 80-Via Siberia-Cota.
Modulo 1, Bodega 6
+(57-1)-7469550/7469569
+57 -3173650663

CANADA

1515 Matheson Blvd, East
Unit # B5
Mississauga, Ontario
L4W 2P5
Canada
(905) 602-4677