



## Field Water Draw is **OPTIONAL!**

With Flow MD's new *patent pending* solution,  
Field Water Draw will become a **“Process of the Past”**

**“Technology makes more technology”** Alvin Toffler

### Key Features Include:

- *Ability to measure the distance between Optical switches or measured volume*
- *Ability to calculate the Prover volume on every run*
- *Ability to calculate volume variance between Factory water draw and every run (Error to Factory water draw)*
- *Ability to calculate Flow rate on Primary and Secondary Volumes*
- *Ability to calculate flow rate variance between Primary and Secondary Volumes (If flow rate changes during the Proving cycle)*
- *Tube and switch bar Temperatures referenced to 20 Deg C or 60 Deg F*
- *Compensation for switch bar Temperature*
- *User input for Prover Temperature and Pressure*
- *Raw frequency output representing uncompensated flow rate*
- *Remote PIM control with virtual display*
- *Proving data can be downloaded to Excel spread sheet*



## Advantages:

- *Validate the Proving Process in seconds*
- *Reduce service cost*
- *Reduces down time*
- *Eliminate unnecessary Water Draws*
- *Reduces water draw cost by Thousands of dollars*
- *Increase confidence in Prover Volume*
- *Increase confidence in Flow Measurement*
- *Increase efficiency*
- *Environmentally safe*
- *Can be run with process fluids*
- *Reduce human error*

## Processes no longer required:

- *Isolating Prover from the process connections*
- *Double rinsing the Prover*
- *Disposal of Contaminated water*
- *Accessing Clean water supply*
- *Waiting for temperature stabilization*
- *Eliminating air bubbles from system*
- *One or more days of down time*

### End result:

***Eliminate variation between factory and field water draw!!***

## FMD-Prover Control Software (FMD-PCS)

Name	Value	Unit
Prover Cycle Count	122	
Remote Volume Selector	CFG#1: Up=V1 Down=V3	
Date	05-02-2010	
Time	04:24:20	
Prover volume corrected	70.2614	gal
Corrected test volume	285.590	
Primary Proving	25854.792	ms
Secondary Proving	12917.493	ms
Prover Flow Rate 1	174.86	gpm
Prover Flow Rate 2	175.02	gpm
Flow Rate variance	99.910	
Encoder Integer Pulses	3694	
Encoder Dual Chronometry Pulses	3694.0679	Count
Temperature Corrected P2 Encoder Count	3691.204	Count
Variance from Factory Water Draw		
Primary encoder error	0	
Error to Factory Water Draw	0	

**For more information, Please call Flow Management Devices at 602-233-9885**