

Flow_Trak 3.0

Volume 3

Reports & Proving

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May 4, 2004

Reports

Demand system reports can be generated through the Reports selection button. A menu is provided to select the specific demand report desired.

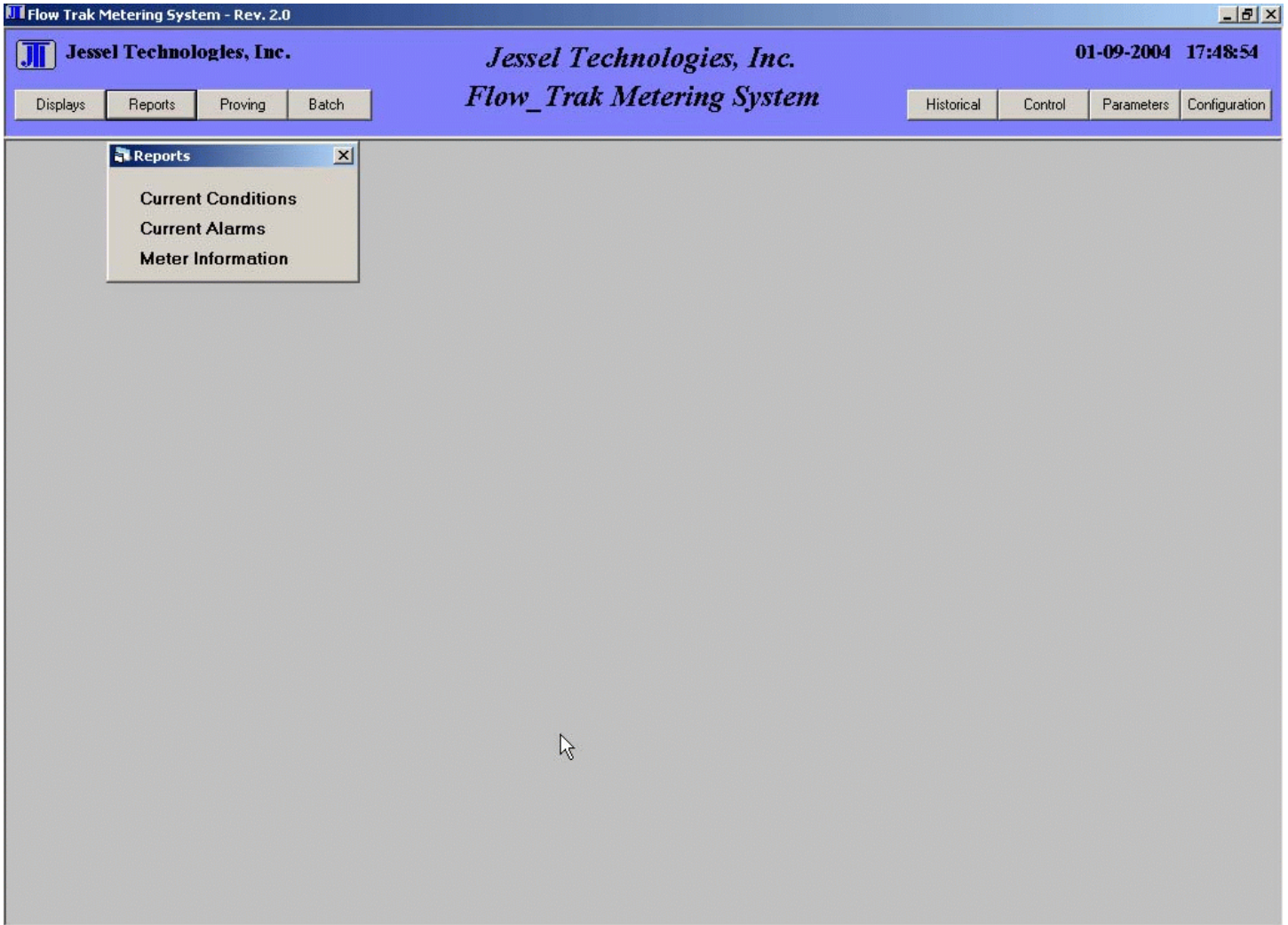


Figure 1
Report Selection Display

Current Conditions

Clicking on the current conditions menu item will result in one of two actions. If no groups are defined, then the system will print a current status of the individual meters defined. However, if groups are defined, then the operator will then select which group is desired to be printed. The report is similar to the current conditions display giving meter tag name, temperature, pressure, flow rate, and two columns of accumulated volumes or mass.

		Jessel Technologies, Inc.			
		Flow_Trak Metering System			
Skid Eight		Current Conditions Report		05-04-2004 15:03	
Meter	Temperature degF	Pressure psi	Flow Rate BBL/hr	Energy BTU	Ind. Volume BBL
FT-8000	0.0	0.0	0	0	0
FT-8001	0.0	0.0	0	0	0
FT-8002	0.0	0.0	0	0	0
FT-8003	0.0	0.0	0	0	0
FT-8004	0.0	0.0	0	0	0
Totals			0	0	0

Example 1
Current Conditions Demand Report

Current Alarms

A report showing all current alarms and warnings in the system is printed from oldest to most recent order. Each entry includes the date, time, tag name, description and in most cases a value which initiated the alarm.

```
Jessel Technologies, Inc.  
Flow_Trak Metering System  
  
Current Alarm Report  
05-04-2004 15:03  
  
05/04/04 15:02:18 FT-2001 Communications Fail  
05/04/04 15:02:13 FT-2000 Communications Fail
```

Example 2
Current Alarm Demand Report

Meter Information

A report is generated that gives all the configuration data within the system for an individual meter

Jessel Technologies, Inc.
Flow_Trak Metering System

Meter Information

05-04-2004 15:03

Meter tag: FT-1000

Meter type: Turbine
Manufacturer: Daniel
Model: TM-1000

Serial Number: 10091
Size: 250.0

K Factor: 10000

Product: Crude

Location: Fab 2

Delivery-Receipt: No Where

Low alarm limit: 0

High alarm limit: 4000

Max flow point: 3600

Meter index: 0

Flow Computer type: SFC332

Meter in flow computer: 1

Poll address: Loop 1 addr 1

Example 3

Meter Data Demand Report

Proving

If the system incorporates a prover, this selection allows the operator to initiate a prove on the flow computer, view the activity of the prove, and access the last prove on any meter.

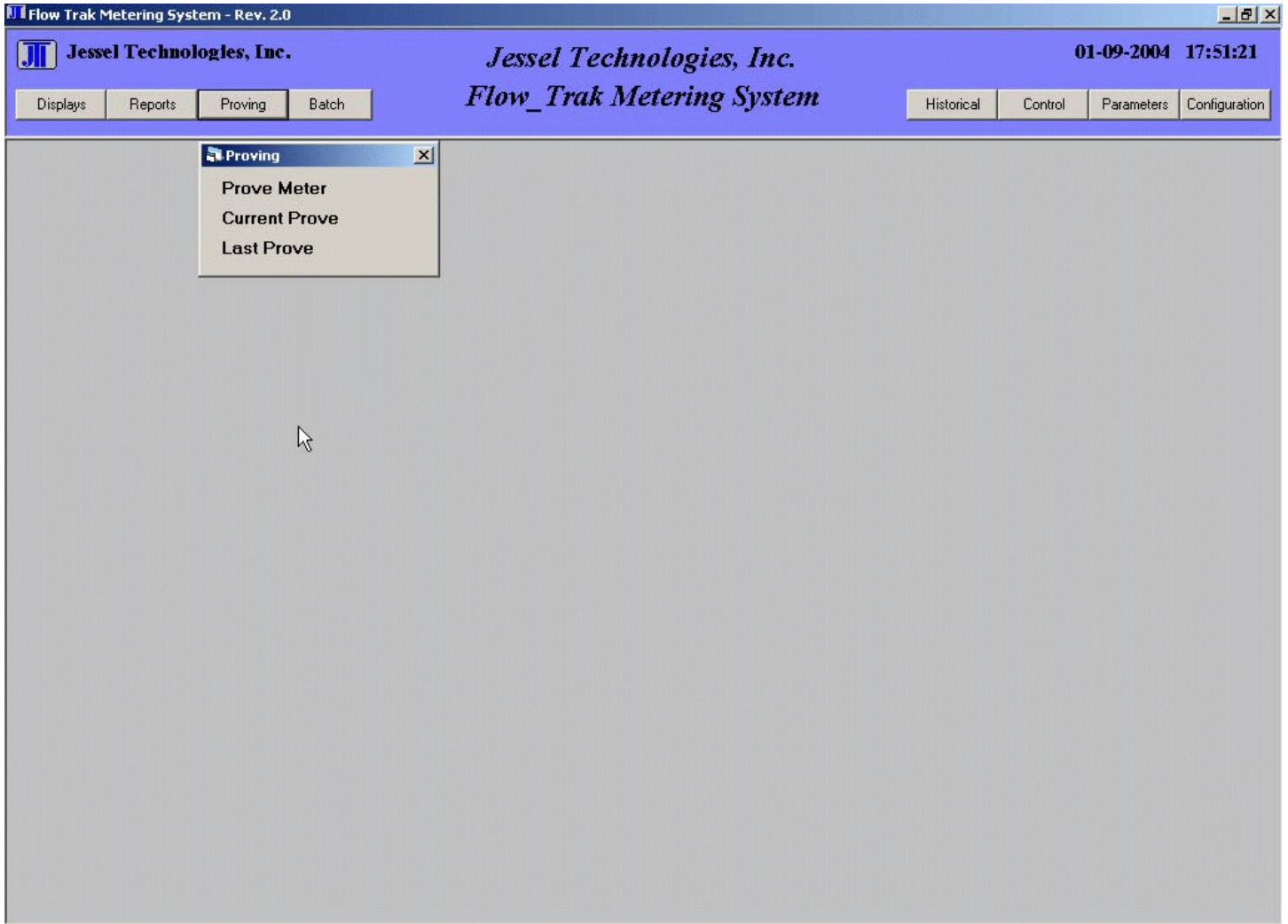


Figure 2
Proving Selection Menu

Prove Meter

Selection of the Prove Meter item, allows the operator to request a meter for proving. The operator selects the specific meter and the issues then desired command for the flow computer.



Figure 3
Prove Meter Commands

Current Prove

This menu selection will display the current meter that has been requested to be proved. As each trial occurs the display will update with the specific data related to the current prove status.

Current Meter for Prove				
Meter on Prove	FT-1000			
Trial Run	0			
Prove Status				
Trial Run	Counts 1	Counts 2	Prover Temperature	0.00
#1	0	0	Prover Pressure	0.00
#2	0	0	Meter Temperature	0.00
#3	0	0	Meter Pressure	0.00
#4	0	0	<input type="button" value="Exit"/>	
#5	0	0		
Current Trial	0	0		

Figure 4
Current Proving Display

Last Prove

The Last Prove selection will prompt the operator for the specific meter desired and the flow computer will be interrogated for this data. Generally speaking, all flow computers are capable of storing at least the last prove for the meter. Under the Historical selection, prove reports can be viewed if they have been configured for saving to hard disk.

Last Meter Prove												
Meter FT-1000												
Trial	Counts	Total Counts	ICounts	TFMP	TDVOL	Meter Temp	Prover Temp	Meter Pres	Prover Pres	Grav	Flow Rate	
#1	0	0	0.000	0.00000	0.00000	0.00	0.00	0.0	0.0	0.0000	0.0	
#2	0	0	0.000	0.00000	0.00000	0.00	0.00	0.0	0.0	0.0000	0.0	
#3	0	0	0.000	0.00000	0.00000	0.00	0.00	0.0	0.0	0.0000	0.0	
#4	0	0	0.000	0.00000	0.00000	0.00	0.00	0.0	0.0	0.0000	0.0	
#5	0	0	0.000	0.00000	0.00000	0.00	0.00	0.0	0.0	0.0000	0.0	
Average		0	0.000	0.00000	0.00000	0.00	0.00	0.0	0.0	0.0000	0.0	
Base Volume		0.00000		Cor Prove Volume		0.00000		Cor Meter Volume		0.00000		
CTSP		0.00000		Avg Icounts		0.000		Meter Factor		0.0000		
CPSP		0.00000		Meter Volume		0.00000		Actual K-Factor		0.00		
CTLP		0.00000		K-Factor		0.00		Pulse Deviation		0.00		
CPLP		0.0000		CTLM		0.00000		Meter Factor Dev.		0.00		
				CPLM		0.0000						

Figure 5
Last Prove Data Display