

Plant Power Metering Building Block Sample Screens

Settings
Communication
Tags
Screens
Security
Alarms
Recipes
Languages

Application Language: English (United States) (1033)

External
Memory
System
Global Connections

Add Tag
Delete Tag(s)
Advanced

	Tag Name	Data Type	Address	Controller	Description
1	1k1AvgLV	Real	F21:11	1K1	
2	1k1Freq	Real	F21:12	1K1	
3	1k1PF	Real	F22:3	1K1	
4	1k1KW	Real	F22:7	1K1	

1408-um001 -en-p.pdf - Adobe Acrobat Pro

File Edit View Document Comments Forms Tools Advanced Window Help

Sticky Note Text Edits

71 / 100

Bookmarks

- 1408-UM001B-EN-P, Powermonitor 1000 Unit User Manual
- Important User Information
- Summary of Changes
- Table of Contents
- Preface
- 1 - Powermonitor 1000 Overview
- 2 - Powermonitor 1000 Memory Organization
- 3 - Communications Command Summary
- 4 - Explicit Messaging
- 5 - SCADA Applications
- A - Powermonitor 1000 Data Tables
- Index
- Back Cover

Power Results Parameters

CSP File No.	F22
CIP Instance	15
No. of Elements	17
No. of Words	34
Data Type	Float
Data Access	Read

Power Results

Element No.	Modbus Address	Element Name	Range	TR1	TR2	EM1	EM2	EM3	Description
0	30301-2	L1 True Power Factor	-100.0...+100.0		•				Percent ratio between power and apparent power. The value is signed to (+) leading and (-) lagging.
1	30303-4	L2 True Power Factor	-100.0...+100.0		•			•	
2	30305-6	L3 True Power Factor	-100.0...+100.0		•			•	
3	30307-8	3 Phase True Power Factor	-100.0...+100.0		•			•	
4	30309-10	L1 kWatts	+/- 0.000...9,999,999		•			•	
5	30311-12	L2 kWatts	+/- 0.000...9,999,999		•			•	Line 2 kWatts

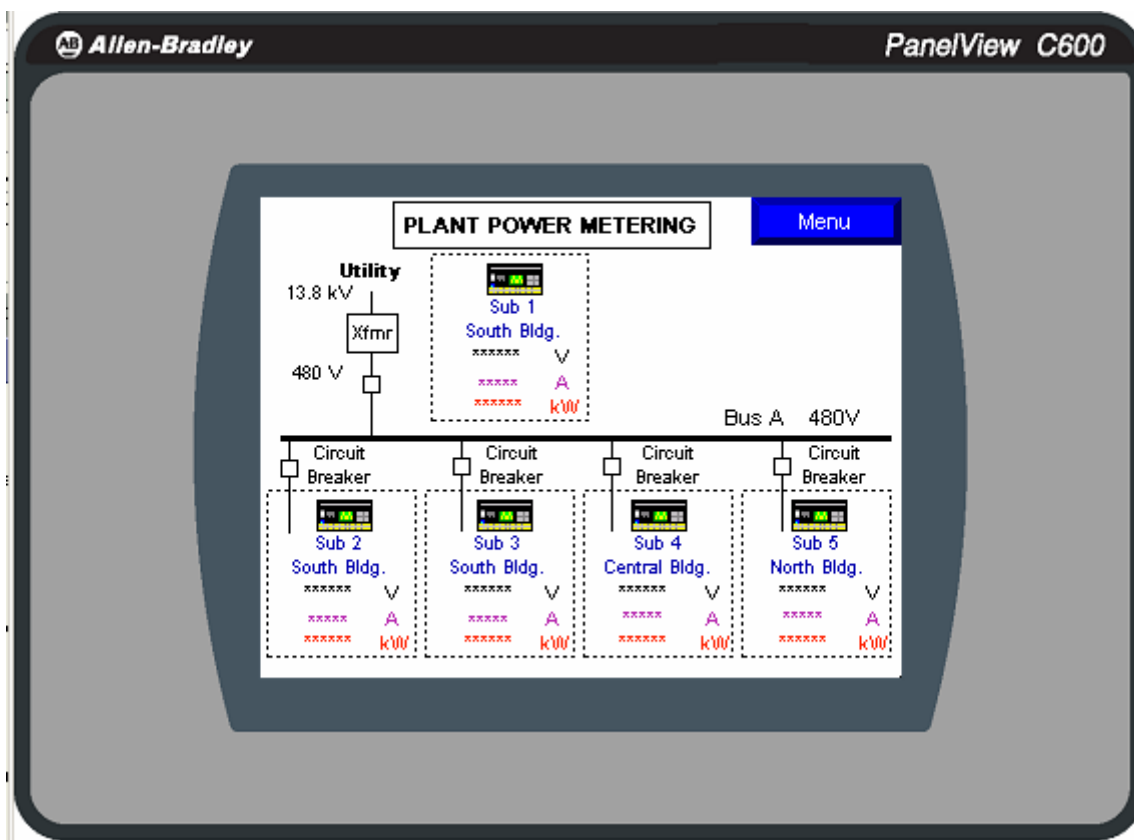
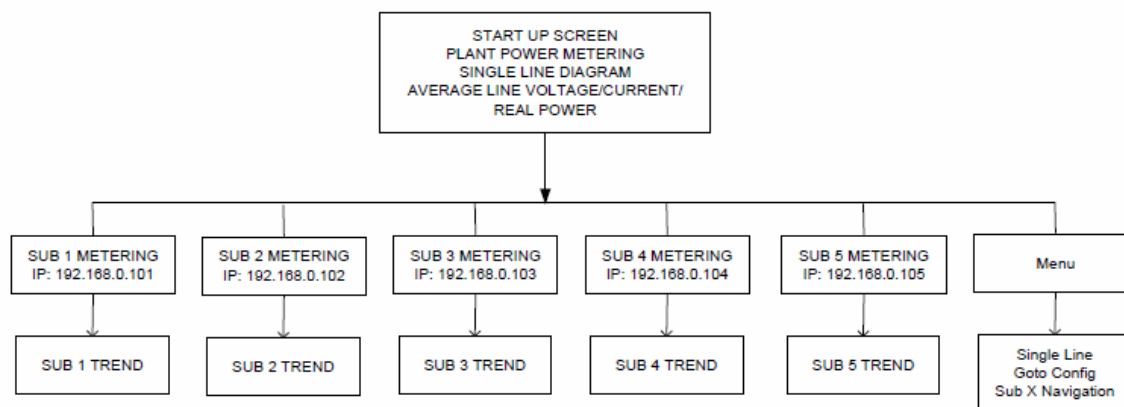
Publication 1408-UM001B-EN-P - May 2008 71

Appendix A Powermonitor 1000 Data Tables

Power Results

Element No.	Modbus Address	Element Name	Range	TR1	TR2	EM1	EM2	EM3	Description
6	30313-14	L3 kWatts	+/- 0.000...9,999,999		•				Line 3 kWatts
7	30315-16	Total kWatts	+/- 0.000...9,999,999		•				Total kWatts

PanelView Component C600 Screens Quick Navigation For Plant Power Metering System



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Load Last Saved Driver Configuration

Protocol

Serial DF1

Ethernet Allen-Bradley MicroLogix/ENI

Driver
USB / Ethernet

PanelView Component Settings

Write Optimization

No Configurable Properties At Protocol Level

Controller Settings

Add Controller

Delete Selected Controller(s)

Sort by Name

Ascending

Name	Controller Type	Address	Timing	Auto-Demotion	Description	Port	Request Size	Slot Configuration	Block Write Function Files
1k1	ENI: PLC-5	192.168.0.101		44818	232	...	<input type="checkbox"/>
1k2	ENI: PLC-5	192.168.0.102		44818	232	...	<input type="checkbox"/>
1k3	ENI: PLC-5	192.168.0.103		44818	232	...	<input type="checkbox"/>
1k4	ENI: PLC-5	192.168.0.104		44818	232	...	<input type="checkbox"/>
1k5	ENI: PLC-5	192.168.0.105		44818	232	...	<input type="checkbox"/>

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Controls

Screen List

Add

Delete

1 - SingleLine

2 - Menu

3 - Sub1_Main

4 - Sub1_Trend

Start-up Screen: 1

Object Palette

Entry

Momentary Push Button
Maintained Push Button
Multistate Push Button
Latched Push Button
Numeric Entry
String Entry
Numeric Increment Decrement
List Selector

Display

Drawing Tools

Advanced

Library

Screen 3 - Sub1_Main

Sub 1 Data

Avg Current (A)

.0

Real Power(kW)

.000

PowerFactor (%)

.0

Avg L-L Volts (V)

.0

Reactive Power(kVar)

.000

Apparent Power(kVA)

.000

Freq (Hz)

.0

RealEnergyNet (kWh)

000,000 , 000,000

Single Line

Sub 1 IP: 192.168.0.101

Sub 1 Trend

Properties

Numeric Display

Appearance
Format
Common

Connections

Read Tag:

1k1KW

Visibility Tag:

Device: 2711C-T6C | Numeric Display: NumericDisplay_130

Done

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External

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Add Tag

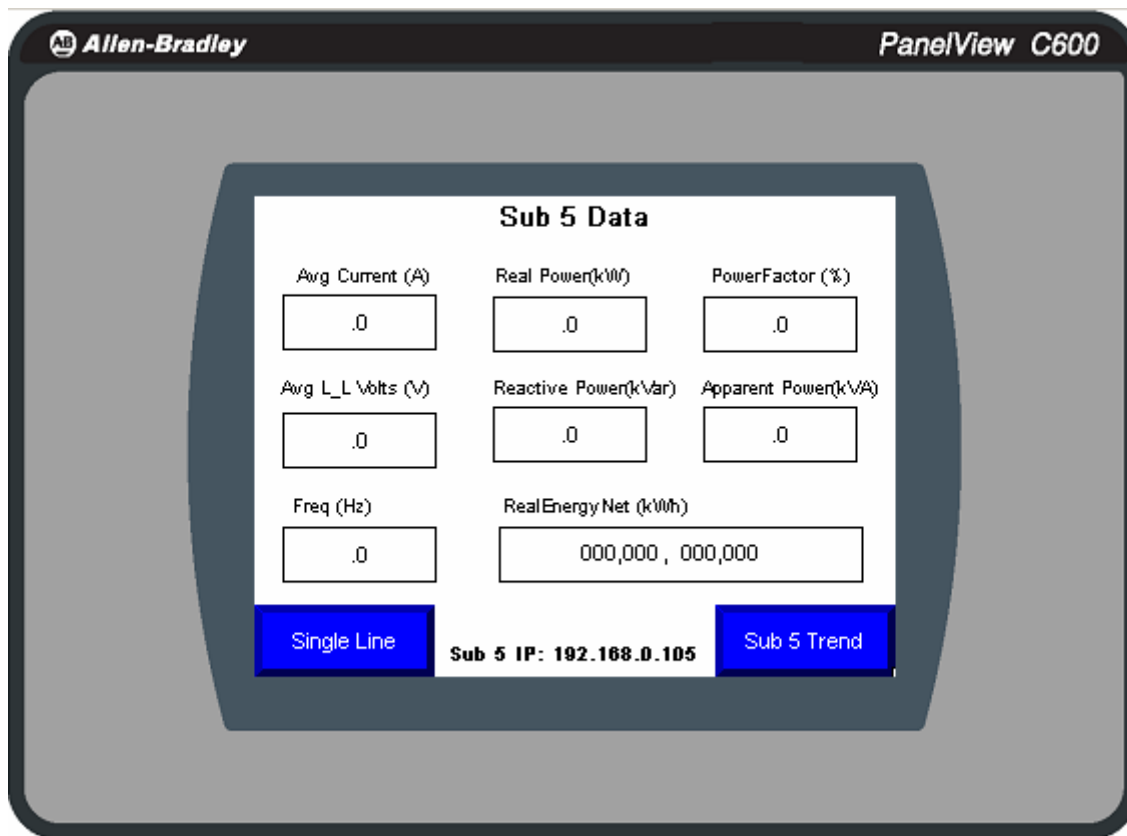
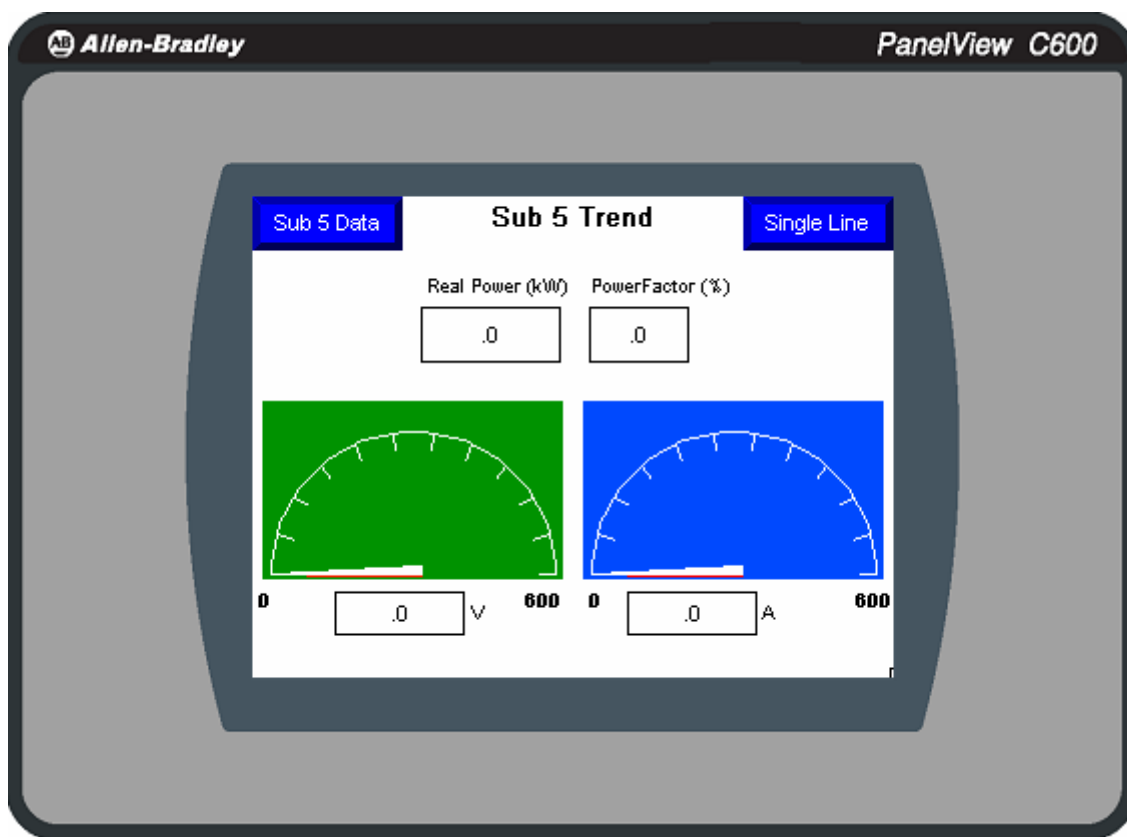
Delete Tag(s)

Advanced

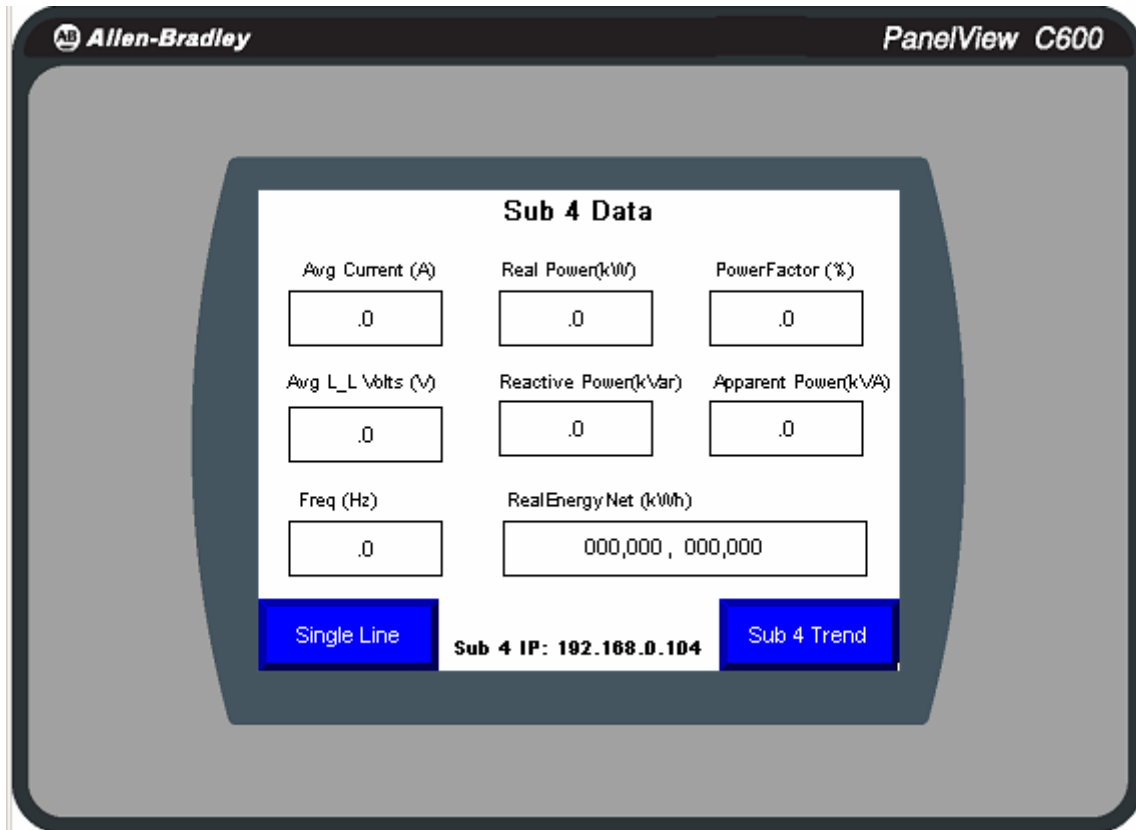
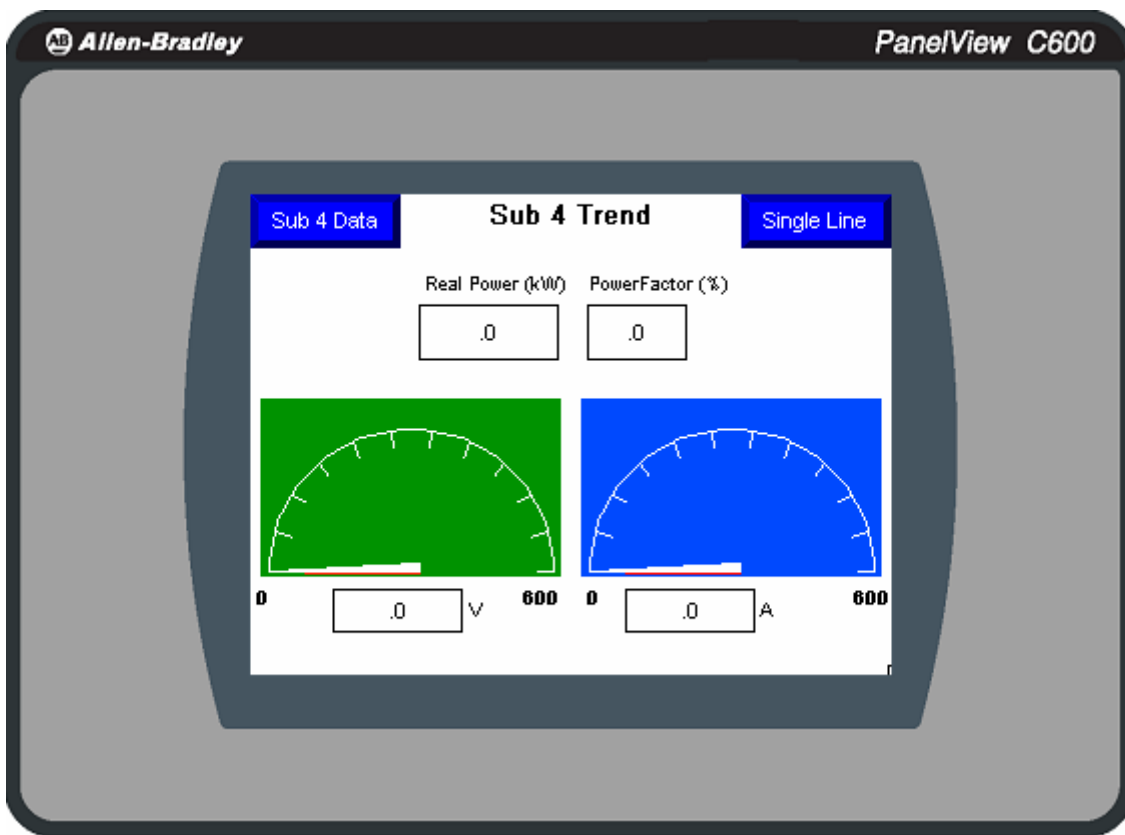
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5	1k1KVar	Real	F22:11	1K1	
6	1k1kVA	Real	F22:15	1K1	
7	1k1GWh	Real	F23:8	1K1	
8	1k1AvgI	Real	F21:3	1K1	
9	1k1KWh	Real	F23:9	1K1	
10	1k1KWD	Real	F24:0	1K1	
11	1K2AvgLV	Real	F21:11	1K2	
12	1K2Freq	Real	F21:12	1K2	
13	1K2PF	Real	F22:3	1K2	
14	1K2kW	Real	F22:7	1K2	
15	1K2KVar	Real	F22:11	1K2	
16	1K2kVA	Real	F22:15	1K2	
17	1K2GWh	Real	F23:8	1K2	
18	1K2AvgI	Real	F21:3	1K2	
19	1K2KWh	Real	F23:9	1K2	
20	1K2KWD	Real	F24:0	1K2	
21	1K3AvgLV	Real	F21:11	1K3	
22	1K3Freq	Real	F21:12	1K3	
23	1K3PF	Real	F22:3	1K3	
24	1K3kW	Real	F22:7	1K3	
25	1K3KVar	Real	F22:11	1K3	
26	1K3kVA	Real	F22:15	1K3	
27	1K3GWh	Real	F23:8	1K3	
28	1K3AvgI	Real	F21:3	1K3	
29	1K3KWh	Real	F23:9	1K3	
30	1K3KWD	Real	F24:0	1K3	
31	1K4AvgLV	Real	F21:11	1K4	
32	1K4Freq	Real	F21:12	1K4	
33	1K4PF	Real	F22:3	1K4	
34	1K4kW	Real	F22:7	1K4	
35	1K4KVar	Real	F22:11	1K4	
36	1K4kVA	Real	F22:15	1K4	
37	1K4GWh	Real	F23:8	1K4	

Device: 2711C-T6C

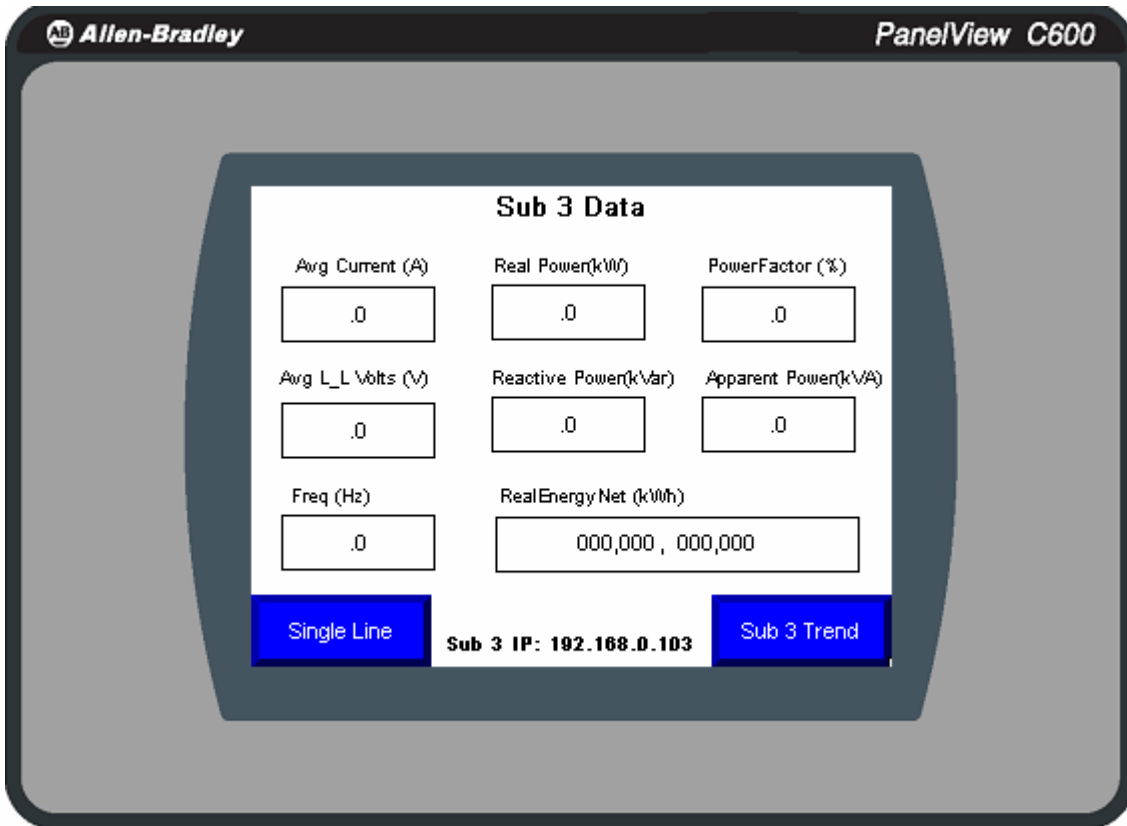
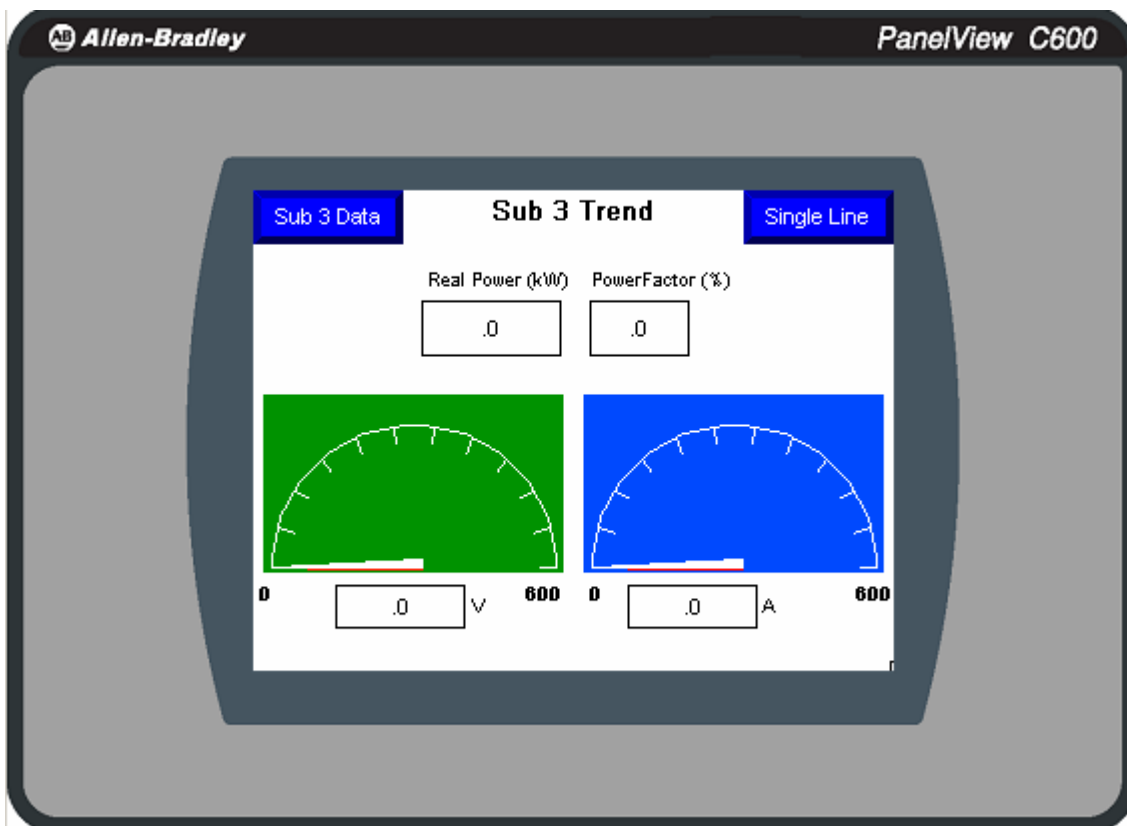
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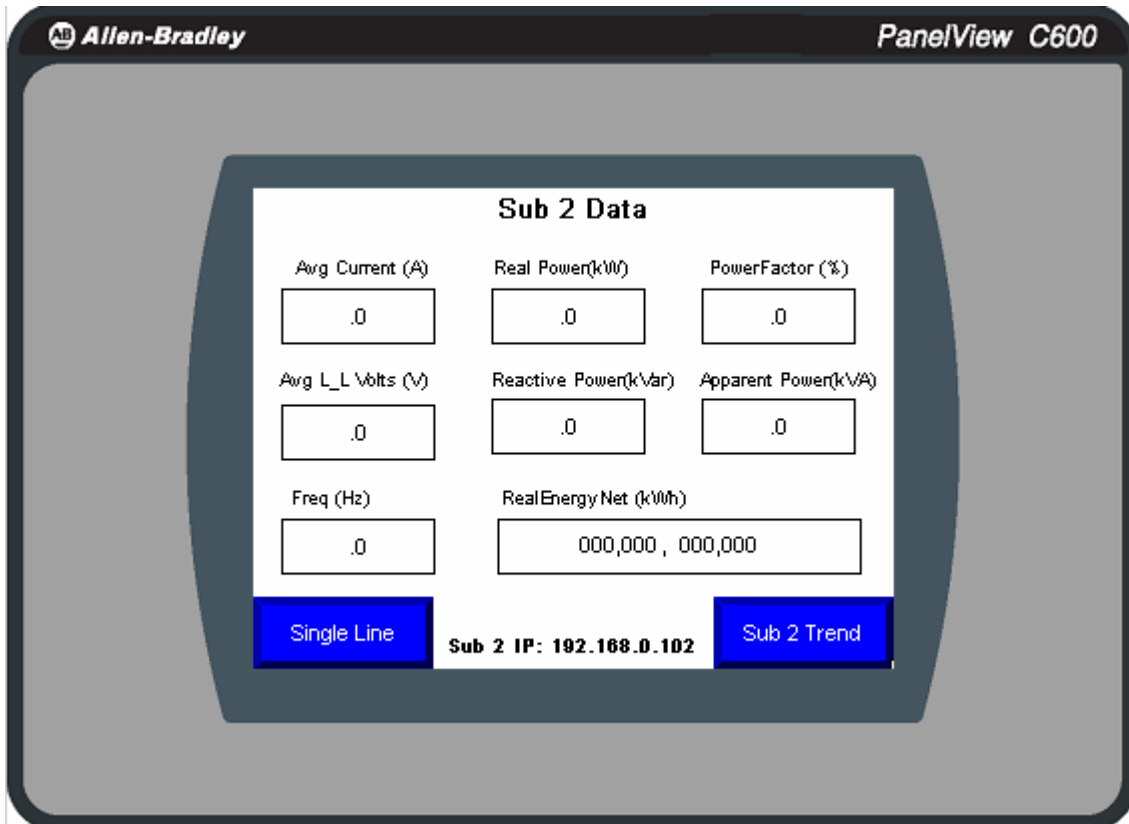
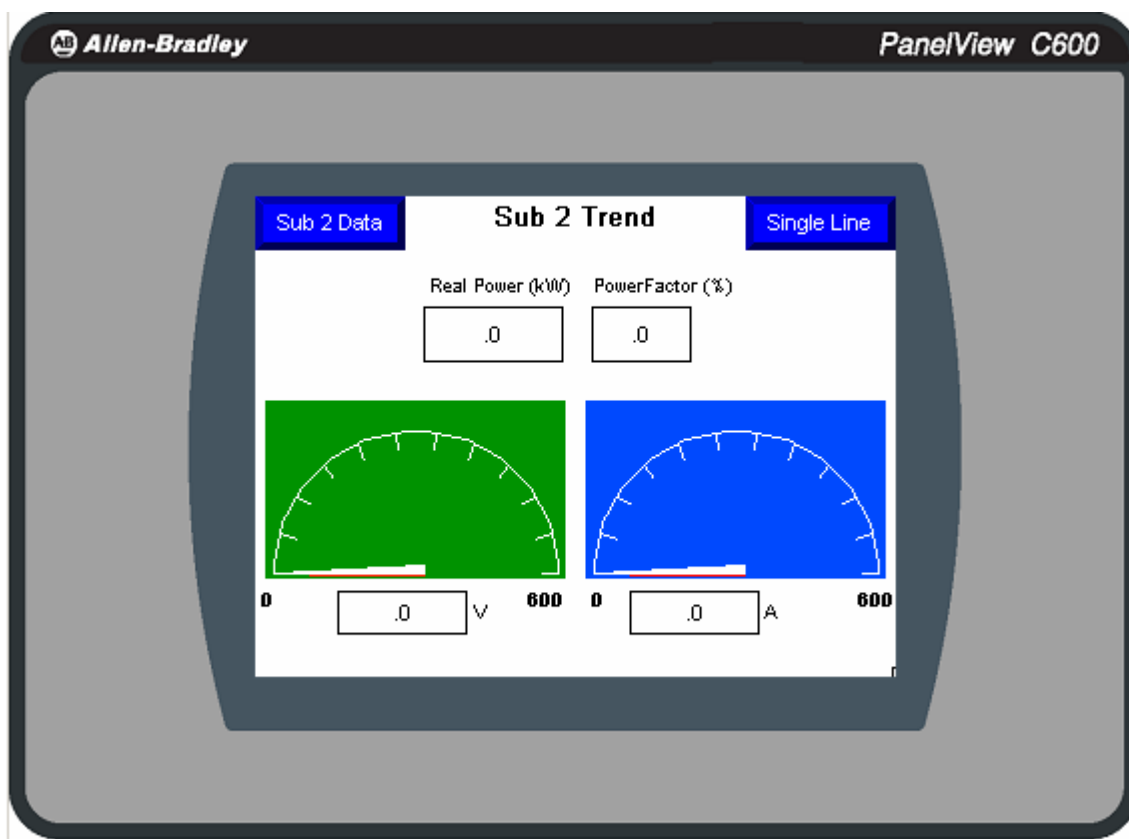
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