SpecView HMI Software from Watlow®

SPECVIEW

Easy-to-Use HMI Software Saves Time by Creating Useful Interfaces in Minutes

SpecView from Watlow® is an easy-to-use human machine interface (HMI) solution for providing a cost effective user interface to Watlow controllers including the EZ-ZONE® integrated controllers and third-party products. Using SpecView HMI software from Watlow means getting a single point of support for hardware, software and application questions. The software has many beneficial features in addition to being price competitive compared to third-party options.

SpecView from Watlow is a commercially accepted and proven product with years of customer-suggested and field-proven features and functionality. This software saves set-up time compared to tag-based systems because it has built-in support and auto-detect for Watlow controllers. The user does not need to learn the intricate details of communications protocols to configure the software thus decreasing set-up time.

Process adjustments and machine troubleshooting are more easily accomplished with graphed data on trend charts. SpecView from Watlow was designed for industrial users' needs providing compatibility with bar code readers and touch screens. Errors are reduced for any process by customizing displays for specific application needs. The software provides flexibility in data logging, a historical replay option, easy-to-use recipe features and remote access options.

Customers who wish to try before they buy can download SpecView from Watlow and run the software in the time-limited demo mode.

Features and Benefits

Watlow EZ-ZONE® Standard Bus communications protocol
• Communicates with any EZ-ZONE product without need to purchase a communications option

Built-in support and auto-detect for controllers
• Saves set-up time
• Eliminates need to learn communications protocols
• Integrates devices from multiple vendors

Flexible data logging and report generator
• Helps users comply with regulatory requirements including AMS 2750D NADCAP
• Reduces labor and increases accuracy by automating data collection for chosen parameters
• Adds data acquisition to existing processes
• Saves time by exporting data to Excel®-compatible spreadsheet files
• Allows data to be grouped in user-defined batches
• Incorporates measurements, operator comments and other information into reports
• Records operator actions

Easy-to-build, customizable screens
• Allows simple custom screen editing
• Simplifies monitoring and adjusting controller parameters
• Reduces errors by making displays application-specific
• Decreases training time
• Integrates sophisticated third-party elements with ActiveX container option
• Automates many tasks with user-defined buttons
• Calls attention to specific parameter values with user-set color dynamics
• Allows touch screen compatibility
• Provides bar graphs for 'at-a-glance' monitoring
• Limits access with passwords if desired

WATLOW®

Better Thermal Solutions...*Faster*

WIN-SV-1009

ISO 9001
Registered Company
Winona, Minnesota USA

Features and Benefits (Continued)

Alarm manager
- Simplifies understanding alarms with customizable, plain-text messages
- Aids in troubleshooting by time stamping and logging alarms

Easy-to-use recipe manager
- Saves snapshot of current process values
- Reproduces previous machine setups exactly
- Reviews and edits complex programmer profiles
- Eliminates operator error in setting machine parameters

Remote access option
- Allows multiple operator stations with identical interfaces for convenient access
- Provides multiple password-protection levels
- Improves access over LAN, modem or internet
- Reduces maintenance and repair downtime
- Increases utilization

SpecView from Watlow System Requirements

Compatible Operating Systems:
- Windows® Vista (all versions)
- Windows® Server 2003
- Windows® XP (Home and Professional)
- Windows® 2000 (Workstation and Professional)
- Windows® NT 4.0
- Windows® ME
- Windows® 98
- Windows® 95 (help not supported)

Minimum System:
- Pentium® processor or equivalent Celeron® or AMD
- 64MB RAM (128MB or more recommended)
- 30MB hard disk space to install SpecView from Watlow
- Additional disk space for data logging
- Instrument connection: RS232/RS485/RS422/ Ethernet/OPC
- USB port for the key

Ideal System:
- Pentium® 4 (or Celeron® or AMD equivalent) 2.0Ghz
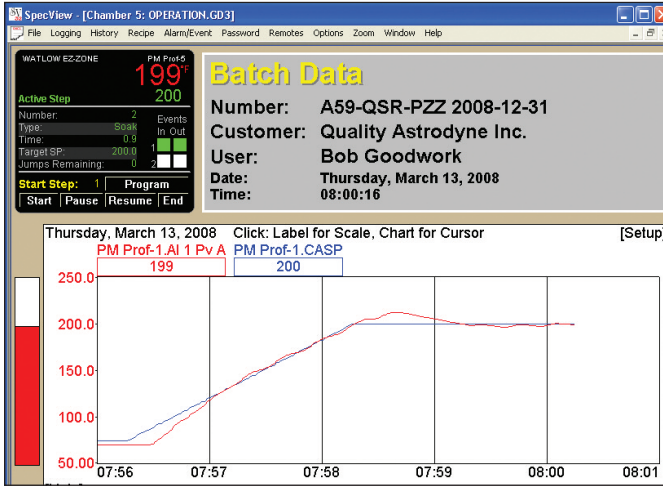- 256MB RAM
- 80GB hard disk

Supported Controllers and Protocols

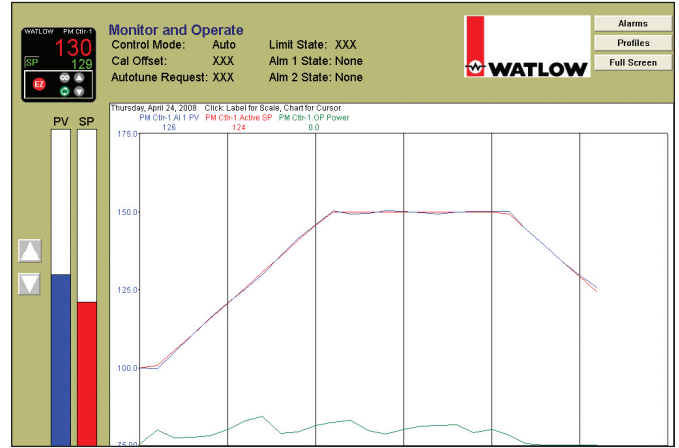| Controller's Communication Protocol Controller	Standard Bus	Modbus® RTU	Modbus® TCP	Standard Bus via Modbus® TCP or Modbus® RTU EZ-ZONE RUI Gateway
EZ-ZONE PM	✓	①	①	①
EZ-ZONE RM	✓	N/A	N/A	N/A
EZ-ZONE ST	✓	①	N/A	①
SERIES F4 Ramping	N/A	✓	N/A	N/A
SERIES 96, 97, SD	N/A	✓	N/A	N/A
POWER SERIES	N/A	✓	N/A	N/A
MICRODIN	N/A	✓	N/A	N/A
SERIES 986, 987, 988, 989	N/A	✓	N/A	N/A
CLS200 (standard firmware)	N/A	✓	N/A	N/A
MLS300 (standard firmware)	N/A	✓	N/A	N/A

① Modbus® support was designed for EZ-ZONE PM firmware versions 4.0 and earlier and EZ-ZONE ST firmware versions 2.0 and earlier. Features introduced in later versions are not included.
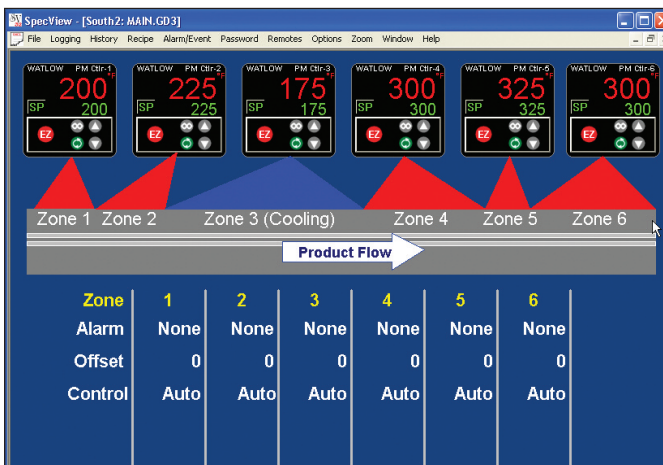
How to Choose the Correct SpecView from Watlow Options

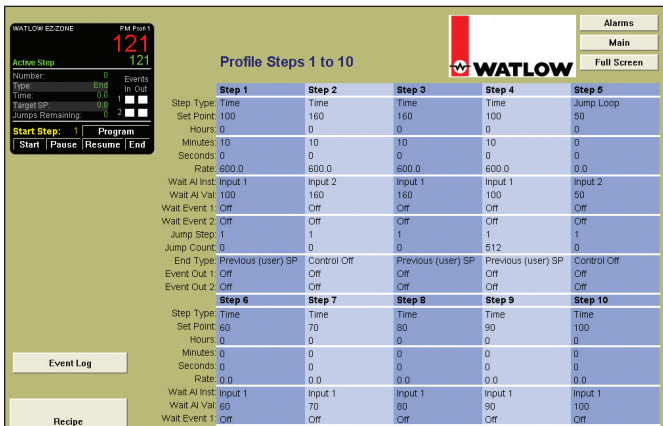| Order this option....	If you want to....
Mini Version	Operate a system with data from one or two simple instruments. This option includes historical replay and allows up to two instruments. Note that in some cases because devices such as profiling and multi-loop controllers are represented by more than one instrument, the mini version may not be appropriate.
Standard Version	Be free to expand configurations beyond the two instrument limit of the mini version.
Single Port	Communicate with instruments on only one serial communications port or only via Ethernet.
Multiple Port	Communicate with instruments on more than one serial communications port and via Ethernet.
Historical Replay	Replay logged data on screens in trends, bar graphs and numeric fields. Without the option replay is limited to the last four hours of data.
Strategy Controller	Configure SpecView from Watlow to respond automatically to *events* such as specific parameter values with *actions* such as printing the screen, starting logging or downloading a recipe. Events can also be time or calendar based. Without the strategy controller option you are limited to two such events.
DDE	Integrate SpecView from Watlow with other Windows® programs.
OPC Client	Connect SpecView from Watlow to instruments via an OPC server.
ActiveX Container	Integrate third-party or customer-written ActiveX controls into SpecView from Watlow.
Remote Users	Monitor instruments from multiple computers at one time. Order the number of remote users corresponding to the maximum number of additional computers you want to connect simultaneously.
SERIES F4 Programmer Driver	Use the computer to manage profiles: program profiles in the computer, save profiles on the computer, or download profiles that are saved on the computer to the SERIES F4.
Allen-Bradley® DF1 Driver	Connect to Allen-Bradley® PLCs that support the DF1 protocol

Track and report batch-specific processing data.

Graph and log process data. Replay data that may have been missed while a user was away. For playback of data older than four hours get the historical replay option.

Create application-specific screens that depict process data so users can relate.

Make screens with most often used parameters. Enable recipe management to reduce operator errors when setting values.

SpecView from Watlow - Standard

Ordering Information

To order, complete the code number with the information below.

S V S ___ - ___ ___ - ___ 0 0

Version
S = Standard

Ports
S = Single
M = Multiple

Historical Replay and Strategy Controller
0 = None
H = Historical replay
S = Strategy controller
B = Both

DDE and OPC
0 = None
D = DDE
C = OPC client
B = Both

ActiveX Container
0 = None
A = ActiveX container

Remote Users
00 = None
XX = Number of simultaneous remote users (01 to 99)

Special Watlow Drivers
0 = None
1 = SERIES F4 programmer

Third Party Drivers[1]
0 = None
1 = Allen-Bradley® DF1 (AB)

[1] Special drivers for other third-party products (Honeywell, Eurotherm, Yokogawa and Marathon) are available directly from SpecView.

SpecView from Watlow - Mini

Ordering Information

To order, complete the code number with the information below.

S V M ___ **-** ___ ___ **-** ___ **0 0**

Version
M = Mini (limited to two instrument views)[1]

Ports
S = Single
M = Multiple

Historical Replay and Strategy Controller
H = Historical replay
B = Historical replay and strategy controller

DDE and OPC
0 = None
D = DDE
C = OPC client
B = Both

ActiveX Container
0 = None
A = ActiveX container

Remote Users
00 = None
XX = Number of simultaneous remote users (01 to 99)

Special Watlow Drivers
0 = None
1 = SERIES F4 programmer

Third Party Drivers[2]
0 = None
1 = Allen-Bradley® DF1 (AB)

[1] Because the mini version is limited to two instrument views, it may not be appropriate for use with some devices such as profiling and multi-loop controllers where a single device appears as multiple instruments in SpecView.

[2] Special drivers for other third-party products (Honeywell, Eurotherm, Yokogawa and Marathon) are available directly from SpecView.

Your Authorized Watlow Distributor Is:

SpecView from Watlow - Upgrade

Ordering Information

To order, complete the code number with the information below.[1]

S V ___ ___ **-** ___ ___ **-** ___ **0 0**

Version Upgrade
U = No version change; upgrade options only
N = Upgrade mini to standard

Ports
0 = No upgrade
M = Multiple

Historical Replay and Strategy Controller[2]
0 = No upgrade
H = Historical replay (already included with SpecView Mini)
S = Strategy controller
B = Both (do not order this option for SpecView Mini)

DDE and OPC
0 = No upgrade
D = DDE
C = OPC client
B = Both

ActiveX Container
0 = No upgrade
A = ActiveX container

Remote Users
00 = No upgrade
XX = Add this number of simultaneous remote users (01 to 99)

Special Watlow Drivers
0 = No upgrade
1 = SERIES F4 programmer

Third Party Drivers[3]
0 = No upgrade
1 = Allen-Bradley® DF1 (AB)

[1] Your upgrade order must be accompanied by the Step 1 code from the Upgrade screen in SpecView from Watlow. Use the upgrade order form available at www.watlow.com or upon request from Watlow or your authorized distributor.

[2] If you are ungrading a SpecView Mini version to add strategy controller, order it with option "S". Do not order option "B", as Mini already includes historical replay.

[3] Special drivers for other third-party products (Honeywell, Eurotherm, Yokogawa and Marathon) are available directly from SpecView.

To be automatically connected to the nearest North American Technical Sales Office:

1-800-WATLOW2 • www.watlow.com • info@watlow.com