

OmniVIEW[®]



***The real-time monitoring solution
for Omni flow computers***

OMNIVIEW® THE NEXT GENERATION HMI

OMNI have been at the forefront of flow computer innovation since 1990. The Omni® 3000 and 6000 range are renowned for their flexibility, accuracy and reliability. This leading position has been maintained with the introduction of the LMC and RMC SmartBus® technologies. OMNI's extended product range and capabilities meet the majority of the flow measurement requirements in custody transfer liquid and gas systems, whether new installations or metering upgrades.



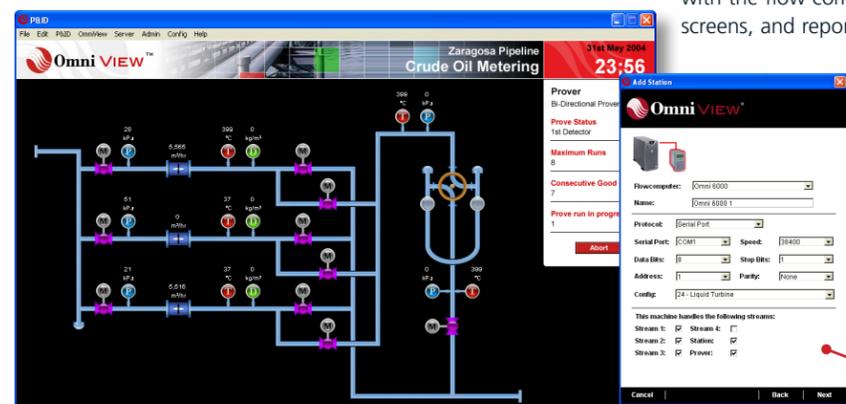
Omni® flow computers provide the metering focal point for high performance metering systems, with responsibility for the measurement, calculations and integrity of data. The information is accessed using an integral keyboard and display.

To enhance the interface to the flow computers OMNI offer OmniView®, the next generation Human Machine Interface (HMI). OmniView® is easily integrated and capable of displaying the flow measurement information in a graphical format, disseminating complex information and presenting it in a high quality, intuitive graphical interface.

OMNIVIEW® CONFIGURATION

OmniView® sets new standards for the deployment of flow measurement system HMIs, enabling systems integrators to rapidly create interactive systems without the need for custom software.

OmniView® is a PC based product running under a Windows operating system. The application is a single .exe file which is mounted on a PC automatically from CD. During setup the systems integrator needs only to select the type of Omni® flow computer and OmniView® will communicate with the flow computer to automatically create a high quality P&ID, detailed data screens, and reports which are made available through the PC display.



The P&ID and data screens can be customized using the intuitive drag and drop graphical OmniView® editor. Piping, instrumentation, fields and labels can be added to the P&ID simply by dragging them from the palettes and dropping them into position. The associated fields are displayed automatically in the side bar and can be reordered as required. Additional parameters can be added directly from the flow computer Modbus map and configured with the appropriate measurement units and data resolution.

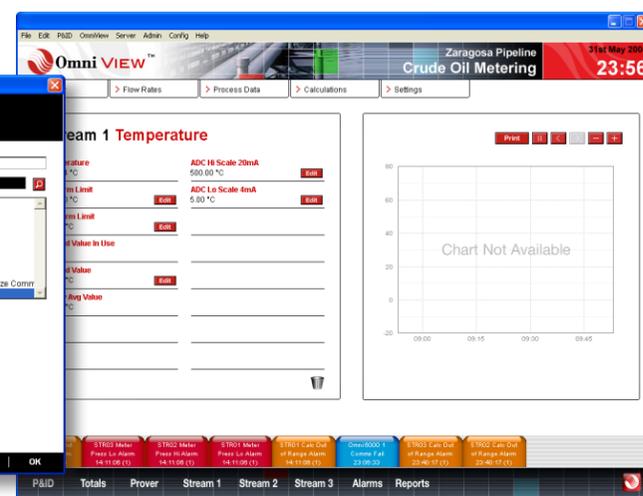
SETUP SCREEN
Configure stations by adding flow computers or instrumentation and assigning communication parameters.



DRAG AND DROP CUSTOMIZATION
Drag and drop devices and pipes from the tool palettes to customize the P&ID.

Tabular data screens can be edited in the same way. Modbus fields can be added direct from the Modbus Map window in any combination to create custom screens quickly and effectively without recourse to software engineering. Custom menus can be created to provide intuitive navigation through the system pages.

MODBUS MAP WINDOW
Any field from the flow computer's Modbus map can be added to the layout and included on the chart.

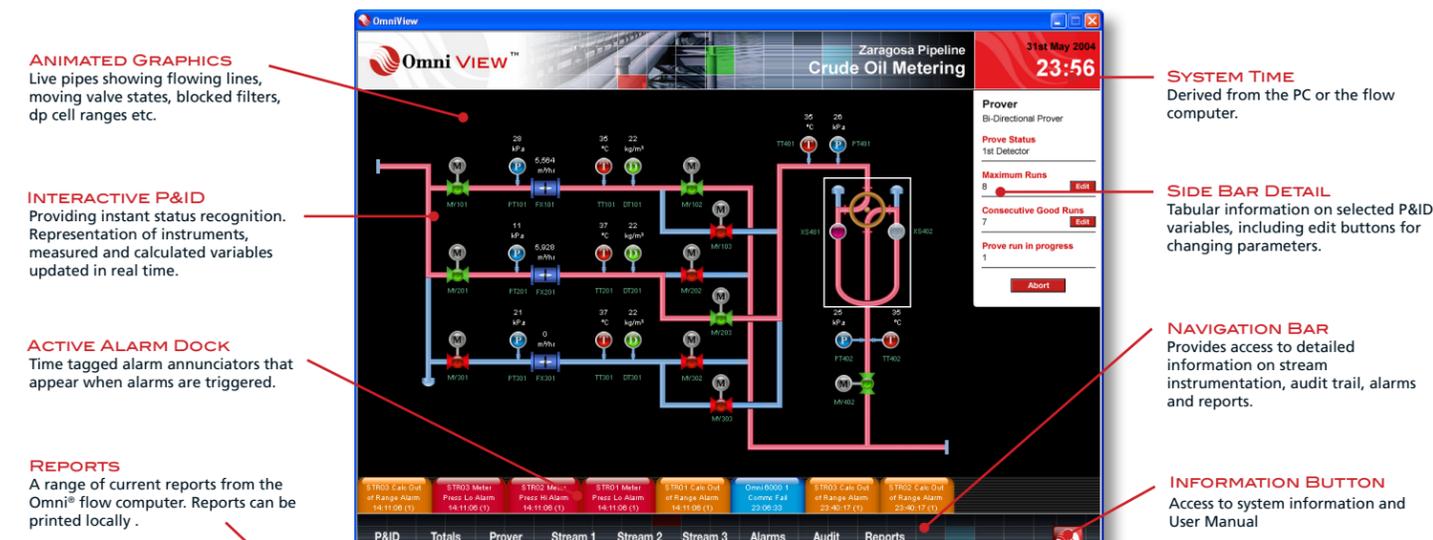


OMNIVIEW® OPERATIONAL INTERFACE

The Omni® flow computer data is accessed by the OmniView® computer via the RS232/RS485 serial data port. A PC with the basic OmniView® license can access a single multi-stream Omni® flow computer. This can be expanded up to four flow computers or four stations by deploying extra licenses.

The initial page is a fully interactive P&ID mimic representing the metering system station. The station can have up to four streams, a prover and common header instrumentation. Real time, measured and calculated data is shown on the mimic against the relevant instrument icon along with its tag number.

Selecting an icon on the mimic presents detail data from the selected instrument in an active side bar. Editable parameters such as alarm thresholds, set-points and control commands can be adjusted in the flow computer in real time from the sidebar.



ANIMATED GRAPHICS
Live pipes showing flowing lines, moving valve states, blocked filters, dp cell ranges etc.

INTERACTIVE P&ID
Providing instant status recognition. Representation of instruments, measured and calculated variables updated in real time.

ACTIVE ALARM DOCK
Time tagged alarm annunciators that appear when alarms are triggered.

REPORTS
A range of current reports from the Omni® flow computer. Reports can be printed locally.

SYSTEM TIME
Derived from the PC or the flow computer.

SIDE BAR DETAIL
Tabular information on selected P&ID variables, including edit buttons for changing parameters.

NAVIGATION BAR
Provides access to detailed information on stream instrumentation, audit trail, alarms and reports.

INFORMATION BUTTON
Access to system information and User Manual



TABULAR DETAIL
Data from any parameter set in tables. Edit buttons enable flow computer parameters to be changed from the PC.

AUDIT TRAIL
Audit trail of events from the Omni® flow computer against multi-variable search criteria.

The station time and date from the flow computer or the HMI PC is displayed in the top right hand corner of the display window and is used to tag events.

The ten most recent alarm events are presented as color coded annunciators in the Alarm Dock, the colors denote the alarm type. The annunciator is labeled with alarm condition, flow computer, date and time. New alarms arrive with a flashing annunciator and an optional audible warning to attract the operator's attention. An alarm can be accepted by selecting the flashing annunciator.

The Navigation Bar at the bottom of the page allows access to more detail tabular data and reports. The operator can drill down to finer detail on each stream using the menu bar to select pages, parameters and calculations. All editable parameters can be changed from these pages. Access to the alarm list, event audit trail and multi station systems access is achieved from the station menu in the Navigation Bar.

Help is provided in the form of an HTML user manual, a context-driven help document that can be accessed at any time from the System Information button in the Navigation Bar.

OmniVIEW[®] to Omni ACQUIRE[™]

....the solution for larger data acquisition and control systems for Omni flow computers

OmniView[®] is an economical solution with a wide-ranging capability limited to a single PC, single flow computer, and single station. OmniView[®] can be extended to up to four flow computers, and up to four stations by license on a single PC.

To extend this capability OMNI provides an upgrade solution, Omni Acquire[™], which allows fully networked communications with multiple flow computers and stations, including access to historical data, reports and charting. The same Omni[®] flow computer configuration and OmniView[®] data files can be integrated seamlessly into Omni Acquire[™].

Omni Acquire[™] is the leading edge solution for larger distributed systems, providing a secure, real time link to Omni[®] flow computers via private Intranet networks or the Internet. This allows operations, technicians and management to interact with systems locally or remotely using a standard web browser as the interface.

Omni Acquire[™] is a server based software product which runs on a standard PC under Windows[®] 2000 or Windows[®] XP. The PC connects to the Omni[®] flow computer directly using Modbus protocols. Omni Acquire[™] collects data and stores it in a local database, which also acts as an HTML server. Subject to satisfying the many access permissions, an operator using an Internet Explorer[®] browser, simply logs on to the URL of the Acquire[™] server to gain access to all the data via the Omni Acquire[™] graphic rich interface.



An operator from any location, on private local networks or worldwide via the Internet, can have secure, real time access to measurement systems in many locations. Data can be conveyed in both directions; in addition to viewing flow measurement data, constants can be downloaded into remote flow computers - all with only a web browser.

Omni Acquire[™], using editing tools identical to OmniView[®], takes rapid deployment to the limits; auto-configuration and drag and drop editing make custom software redundant. This is extended to ongoing support allowing Acquire[™] systems to be maintained remotely regardless of location, reducing cost of ownership to a minimum.

With these unique products OMNI can provide solutions for the simplest to the most complex flow measurement system requirements.

OmniView[®] and Omni Acquire[™] are powered by Ambrt's Webspring[™] software technology, providing a proven dependable technology foundation for this latest generation of measurement and control supervisory solutions. Measure The Difference![®]

..... Representative



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PC REQUIREMENTS

- 1GHz Pentium 4.0 minimum
- 256 MB Memory
- 1024 x 768 Display
- Windows 2000 or XP
- Serial RS232 - Single Flow Computer
- Serial RS485 - Multiple Flow Computers

SYSTEM SCOPE

- Single flow computer
- Four streams / prover / header instrumentation
- Expandable to four flow computers
- Expandable to four stations
- Extendable to Omni Acquire[™]

GRAPHIC RICH INTERFACE

- Easy to use menu driven interface
- Interactive P&ID mimic diagrams
- All flow computer fields
- Alarm annunciator dock
- Detailed tabular data
- Customized pages
- Customized menus

REPORTS

- Standard Omni reports
- Batch reports
- Prover reports
- Omni alarm list
- Omni audit trail

CONFIGURATION

- Secure configuration access
- Simple installation and setup
- Automatic configuration
- Custom layouts of every screen
- WYSIWYG editors with drag and drop interface
- No custom software required
- Custom pages
- Custom menus

Further information on OmniView[®] is available from Omni's web site:

www.omniflow.com

email: omniview@omniflow.com

An animated presentation describing the functionality, editors and supporting technology is available on the web site.

Register on the site to arrange a personal online demonstration of an OmniView[™] system on your computer.

