



OMNI FLOW COMPUTER

For more than 25 years, OMNI flow computer has been considered to be the best flow computer available for performance, reliability, support, and lifecycle.

PERFORMANCE

OMNI flow computers are designed to meet the measurement needs of the oil and gas industry. When AC or DC power is applied to the OMNI, it is available and ready for measurement in less than one second. The OMNI is not hindered by inefficient, slow loading, memory-hungry operating systems, intended for the PC, mobile phone, tablets, or other devices. The OMNI's highly efficient firmware integrates with bulletproof hardware and is designed solely for measurement of custody transfer applications. The OMNI exceeds all requirements for data processing, accuracy, and calculation cycle time for all recognized standards bodies, including API, ISO, OIML, and AGA. Coupled with the largest flow computer specialist support team and unique on-line support tools and documentation, the OMNI continues to be the first choice of industry experts.

RELIABILITY

The OMNI has mean time between failures (MTBF) of greater than 8,000 days. This is not a theoretical calculation or an arbitrary

OMNI FLOW COMPUTERS, INC.

www.omniflow.com Page 1 of 13 statement, but actual field performance data. We have documented cases of exposure to lightning strikes, hurricanes, water immersion, and even a car crash.

OMNI serial numbers 001, 002, 003, and 004, produced in 1991, are still in daily operation. Although they are somewhat different to today's OMNI in certain areas of functionality, they can be upgraded to current factory specifications at any time. We believe we are the only flow computer manufacturer who can make this claim.

SECURITY

There are always at least two parties to a measurement transaction, which might include: buyer, seller, field owners, or government regulator. It does not matter what task your flow computer is performing – custody transfer, allocation, royalty, pipeline, ship loading, utilities, or LACT – compliance to the contractually agreed measurement standards is the responsibility of the system operator. Even the slightest discrepancy over time can cost hundreds of man-hours, or at a minimum, hundreds of thousands of dollars.

When flow computers have an "open" or "programmable" architecture it opens the door for the manufacturer's calculations to be compromised, edited, or modified in a variety of ways. The traceability to any approvals a device may have previously obtained can be overwritten, manipulated, or



simply avoided during application programming by the manufacturer or integrator. Even the simple audit of firmware revision and checksum for compliance could require the complete verification of all the flow computer calculations and functions. Only OMNI gives you the assurance that what is implemented at the factory is what is being used in the field for your measurement and applications. Buyer, seller, auditor, and regulator alike need to have the same assurance and peace of mind.

CONTINUITY

Without changing its familiar construction and easy-to-use menu navigation, every part of the OMNI undergoes continuous development. OMNI manages all parts of its product design, development, manufacturing, and distribution 100% under one roof. This guarantees that all advances in technology are incorporated by specialists and are backward compatible. You do not have to buy a new computer every few years with the hidden engineering costs, training and adoption time associated with buying an all new device nor with the costs associated with obsolescence to your control system. With an OMNI you simply upgrade internal hardware and firmware.

OMNI does not use a third-party PC operating system such as Windows[®] or Linux. These operating systems were intended for short lifetime consumer markets such as PCs, mobile phones, and other devices, and are not designed with a supported lifecycle of 15 or 20 years. OMNI users are not at the mercy of third-party suppliers of "freeware" who may decide to stop supporting key system utilities and obsolete your flow computer overnight, long before its end of lifecycle.

TRACEABILITY

OMNI recognizes that most flow computer manufacturers, integrators, and even users are not qualified and experienced embedded

OMNI FLOW COMPUTERS, INC.

www.omniflow.com Page 2 of 13 software developers and programmers. For this reason, OMNI does the programming, testing, and verification. Three quick steps determine what standards and tasks the flow computer is performing. Simple configuration, never programming, is all that is required to install, operate, and maintain an OMNI. We take responsibility for our software implementation. We do not delegate this to others, least of all our users. This is the real significance of ISO9001:2008 quality assurance.

AFFORDABILITY

The OMNI represents reliability, stability, and security. Without constant design changes or frequent software updates, you don't lose time, money and measurement as a result of manufacturer or integrator inexperience or product changes.

APPLICATIONS

- Crude oil
- Refined products
- LPGs
- Anhydrous ammonia
- Ethylene
- Chemical
- Natural gas
- NGLs
- Specialty gases
- Water and steam product selection

COMMUNICATIONS

In today's modern and changing IT environment, flexibility in communications is an essential consideration for your choice of flow computer. Not only communication with higher level systems such as supervisory, DCS, pipeline integrity and accounting systems, but with lower level devices such as secondary instrumentation on the pipeline or the system PLC.

- Ethernet 8 sockets/port
- RS232/485 Configurable



- TCP/IP Encapsulated Modbus, Modbus/TCP,
- Modbus; ASCII, RTU + Modem compatibility, Master and Slave
- Peer-to-Peer
- HART[®]
- Honeywell DE
- Allen-Bradley DF1; Full and half Duplex
- Direct plug and play compatibility to Ultrasonic and Coriolis flowmeters + Gas Chromatographs

The industry generally prefers Ethernet communications wherever possible, but the communication protocols also need to integrate with legacy equipment using serial communications at the same time. OMNI offers a mix-and-match ability to meet even the most demanding system user's needs. A total of six (6) communications ports can be set up in the OMNI – Up to six (6) RS232/485 and up to two (2) Ethernet ports in combination - up to six total.

OMNI Ethernet modules offer up to eight (8) sockets per port for concurrent connections with security enabled – Password, MAC Address, IP Address or IP Range.

Network printing is a standard feature that includes multiple printer IP address identification with the additional feature of report assignment to each printer.

Communication to smart devices installed on the pipeline is simply achieved by selection of the appropriate OMNI hardware module. Within the OMNI firmware, the protocols and register maps will automatically implement based on the device type you select. Connection to HART or Honeywell DE enabled transmitters and multivariable (MV or MVS) units requires specific modules as identified in the Mode Selection Guide of this Specification (Connections for Smart Transmitters, Flow Meters and Multivariable Devices).

🔊 Omni®

OMNI FLOW COMPUTERS, INC.

www.omniflow.com Page 3 of 13

SOFTWARE

OMNICOM is the companion PC Windowsbased software that enhances the use of OMNI 3000 and OMNI 6000 flow computers. It simplifies the configuration of an OMNI either online or offline, allows the user to perform operations such as quality monitoring in gas systems, batching, and proving in liquid systems.

This single Windows program can perform any task on an OMNI. There are no high level programs that permit back door changes to the core flow computer software/firmware in contravention to the requirements of WELMEC software controls for measuring instruments.

OMNICOM features:

- Online and offline configuration
- Administration of User Login and Passwords
- Local and Remote access
- Multiple site access
- Extensive F1 help
- Built in safety limits
- Extensive Communications logging and debugging
- Customizable reports
- Windows 7, (8 and 10 pending) supported



OMNI FLOW COMPUTERS, INC.

www.omniflow.com Page 4 of 13





OMNI 3000E AND 6000E FEATURES

Often referred to as simply "The OMNI" and installed in over 90 countries worldwide, the OMNI 3000E & 6000E flow computers continue to be selected for their industry leading standards in design, performance, and value.

With its fast one second power-up recovery, field proven reliability, longevity, and usability, OMNI has the lowest cost of ownership in the business. The result of continuous end user requirement development, the OMNI track record stands alone protecting the interest of both buyer and seller in custody transfer measurements. Some of the features that come with the OMNI 3000E and 6000E include:

- Five-year limited warranty
- Stream, batch, & station totalization
- Multiple products with individual product totalizers
- Multiple batch consolidation
- Batch recalculation
- Batch stack product scheduling
- Automatic prove sequence control
- All meter types: DP, PD, turbine, Coriolis, ultrasonic
- K-factor and meter-factor linearization
- Level A pulse fidelity
- Viscosity linearization
- All prover types
- Multiple I/O types, 4-20mA, 1-5V, HART, Honeywell DE, Rosemount MV, Coriolis
- Meter run and station densitometer
- Redundant gas chromatograph interface
- Run switching
- Premium billing
- Maintenance mode
- Multiple Modbus/TCP and Modbus over Ethernet (multiple socket), as well as conventional RS232/485 connections
- AC or DC powered
- Configure from keypad or PC
- Multiple metrological approvals
- Broad ambient temperature range
- Calculations performed to 64-bit double precision accuracy
- PID control loop with primary and secondary control parameters
- Virtual inputs for system simulation and testing
- Unique on-board help
- Simple firmware upgrades
- Remote "Audit by Exception"
- Multiple Users with Name/Password



www.omniflow.com

Page 5 of 13



3000E AND 6000E FIRMWARE ENHANCEMENT

Based on customer feedback, significant enhancements have been added in the following areas:

- Audit/Traceability
- Access security
- Doubling of many key features such as Boolean and Variable statements
- Alarm and Audit logs.
- Products increased from 16 to 32.
- The unique transparency of an OMNI configuration is also further improved to be best in class.

Security Enhancements

Security enhancements have been introduced, which can be optionally implemented to control access to the OMNI by both personnel and external data systems (SCADA, PLC, etc.)

User Accounts can be administered and access permissions controlled for multiple named personnel. This includes the ability to upload or download OMNICOM files and change meter factors.

In addition to the customary multiple level front panel security, it is now possible to assign each device connected to a communications port with its own user name (PLC, SCADA, etc.) and password.

Auditing and Alarms

Full auditing of all configuration changes irrespective of the origin – including from communication links, front panel, programming statement results, or OMNICOM – are captured with date/time stamp, the origin, and totals at the time of change.

OMNI FLOW COMPUTERS, INC.

www.omniflow.com Page 6 of 13 The audit log and alarm log have each been expanded to 1,000 events. The audit log meets the requirements set out in API MPMS Chapters 21.1 and 21.2.

Both Boolean and Variable programming statements have been increased from 64 to 128 each. Additionally, a new feature has been added to the audit trail so that any changes to the configuration initiated by a programming statement are also captured

OMNICOM has also been enhanced to enable many of the changes indicated above and several new time-saving features, including an all-new Modbus register browser that can directly paste selected registers into lists and statements – a manual is no longer needed!

	ation: 27				Da	tabase Revision - 1.00 Register Count 32	
Search							
F	ind energ	BA				Search	
Data Typ		(32-bit) iter 1	Motor 2	□ Met	er 3	Clear Filters Clear Filters Meter 4 Station System	
		Data Type				Description	
7104	1BC0	Float	R	R	R	Meter 1 Energy Flowrate	
7204	1024	Float	R	R	R	Meter 2 Energy Flowrate	-1
7404	1CEC	Float	R	B	B	Meter 3 Energy Flowrate Meter 4 Energy Flowrate	
7643	1DDB	Float	R	n	B	Meter 1 Energy or NSV Increment per 500mS	
7653	1DE5	Float	R		B	Meter 2 Energy or NSV Increment per 500mS	
7663	IDEE	Float	R		B	Meter 3 Energy or NSV Increment per 500mS	
7673	1DF9	Float	R		B	Meter 4 Energy or NSV Increment per 500mS	
7683	1E03	Float	B		B	Station Energy or NSV Increment per 500mS	
7804	1E7C	Float	R		B	Station Energy Flowrate	
8552	2168	Float	R		R	Meter 1 Previous Daily Energy in Float Format	
8589	218D	Float	R		B	Meter 1 Previous Batch Energy/NSV in Float Format	
8652	21CC	Float	R		R	Meter 2 Previous Daily Energy in Float Format	
8689	21E1	Float	R		R	Meter 2 Previous Batch Energy/NSV in Float Format	
8752	2230	Float	R		B	Meter 3 Previous Daily Energy in Float Format	
8789	2255	Float	R		B	Meter 3 Previous Batch Energy/NSV in Float Format	
8852	2294	Float	R		B	Meter 4 Previous Daily Energy in Float Format	
8889	2289	Float	R		R	Meter 4 Previous Batch Energy/NSV in Float Format	
8952	22F8	Float	R		B	Station Previous Daily Energy Total in Float Format	
8989	231D	Float	B		R	Station Previous Batch Energy/NSV in Float Format	
18508	484C	Float	R		R	Meter 1 Highest Energy Flowrate of the Current Day	
18518	4856	Float	R		R	Meter 1 Highest Energy Flowrate of the Previous Day	
18578	4892	Float	R		R	Meter 1 Energy Flowrate in Maintenance Mode	
18608	4880	Float	R		R	Meter 2 Highest Energy Flowrate of the Current Day	
18618	48BA	Float	R		R	Meter 2 Highest Energy Flowrate of the Previous Day	
18678	48F6	Float	R		R	Meter 2 Energy Flowrate in Maintenance Mode	
18708	4914	Float	R		R	Meter 3 Highest Energy Flowrate of the Current Day	
18718	491E	Float	R		R	Meter 3 Highest Energy Flowrate of the Previous Day	
18778	495A	Float	R		R	Meter 3 Energy Flowrate in Maintenance Mode	
18808	4978	Float	R		R	Meter 4 Highest Energy Flowrate of the Current Day	
< .						- III	P
Search cor	nplete - 32 m	atches found		_	select	Cancel	

The results of Boolean and Variable statements can now be viewed live, in real-time.

For further information on the OMNI 3000E and 6000E please contact OMNI Sales.



SUMMARY

OMNI pioneered flow computing based on maintaining a fixed calculation cycle time rather than task loading. Today's OMNI flow computer still maintains a measurement calculation cycle time of 500mS that exceeds any industry requirements. Calculations are carried out in double-precision (64-bit), floating point format for greatest accuracy. Totalization integrity is assured through the well-established industry practice of triplicated (Tri-reg) storage and checking routines.

The modular design lets you buy the hardware you need for any given application. A Model Design document is available for further information. When you need to add an additional meter run, simply add any other I/O modules you need.

"Future-Proof" is a term used freely by our competitors, yet subject to considerable doubt in practice. OMNI has demonstrated "future-proof" since 1991. Even OMNI flow computers in long-term service are backward compatible through upgrade paths to today's specifications, approvals and customer requirements.

OMNI FLOW COMPUTERS, INC.



www.omniflow.com Page 7 of 13

Flow Computer Specifications

Dimensions

Panel Cut-out: 8.25 x 4.75 in (210 x 121 mm) Behind Panel: OMNI 3000: 8.75 in (222 mm). OMNI 6000: 15.5 in (394 mm) Front Panel Bezel: 9 x 5 in (229 x 127 mm) Weight: OMNI 3000: 9 lbs (4.08 kg), OMNI 6000: 16 lbs (7.26 kg)

Environmental

Operating Temperature: +14°F to +140°F (-10°C to +60° C) Storage Temperature: -4° to +158° F (-20° to +70° C) Relative Humidity: 90% non-condensing maximum Safety Classification: For use in a classified safe electrical area. EMC: Compliant with European Union Electro-Magnetic Coupling regulations: Emissions: EN55022-B Immunity: EN61000-4, IEC-EN 61000-6-2

Electrical

Supply Voltage: 90 to 264 VAC, (47 to 440 Hz) or 22 to 26 VDC. Power: 10 to 20 Watts (excluding transducer loops) 10 to 35 Watts (including transducer loops). Maximum DC Offset from +DC or –DC to Earth ground =120 VDC. Transducer Output Power: 24 VDC at ~400 mA for most configurations (when AC powered) **Isolation:** All analog inputs and outputs are optically isolated from computer logic supply. Maximum common mode voltage on any input or output is ± 250 VDC to chassis ground.

Transient/Over-voltage Protection:

Current limiting, Transorbs and self-resetting fuses.

OPERATOR DISPLAY KEYPAD

Keypad Characteristics: 34-key, domed membrane, with tactile and audio feedback **Data Entry Lockout:** Internal switch and software passwords **Display:** Alphanumeric, 4 lines of 20 characters with backlight, viewing angle, contrast and backlight adjustment. **Viewable Temperature:** +32°F to +122°F (0°C to 50°C)

Operating Mode Indicator LEDs

Quantity: Four Dual Color: Red/Green Functions: Active Alarm, Diagnostic Mode, Program Mode, Alpha Shift Mode.

Electromechanical Counters

Quantity: Three, with programmable function Display: 6-digit, non-resettable Maximum Rate: 10 counts per second

Security

Software: Multi-level password control **Hardware:** Optional lock/seal on housing plus an internal keyboard program lockout switch.





www.omniflow.com Page 8 of 13

CPU, CALCULATIONS AND APPROVALS

Type: 32-bit, 150 MHz Maximum **Flash:** 4 MB

Fast RAM: 4 MB

RAM: 2 MB Battery Backed – 1.5 MB minimum available for archive data

Real Time Clock: Battery backed-up, time of day; programmable interval down to 10 mS. Maintains time during power loss. Reports downtime on power-up.

RAM Battery Backup: 3.6 VDC NiMH

Typical Memory Backup Period: 60 – 120 days (*with power removed*).

Typical battery life: 5-7 years.

Clock Accuracy: Powered 0.05 seconds per day.

Calculations

Gas (Partial): AGA3 (US and Metric), AGA5, AGA7, AGA8 (all years), AGA10, AGA11, modified-AGA-NX19, GPA 2172, ISO 5167 (All years), ISO 6976, ISO12213-3, S-GERG, NIST14, Steam NIST & ASME, Redlich-Kwong.

Specialty Gases: NIST 1048: Argon, Nitrogen, Oxygen, Hydrogen, Ethylene & Ethylene IUPAC

Specialist Meters: Cone Meters, Equimeter/Invensys Auto-Adjust Turbine (AAT). Liquid (Partial):

Crude Oil & Refined Products: ASTM D1250(1952) Tables 5/6, 23/24,53/54,59/60; API MPMS Ch.11.1 (1980) & (2004-2007), API MPMS Ch. 11.2.1 (1983),11.2.2, 11.2.1M, 11.2.2 M, . LPGs, NGLs incl: Ethane's, Propane's, E/P Mixes: GPA TP15, GPA TP27, API MPMS Ch 11.1 (2004-2007) table 23/24E & 53/54E

Butadiene: ASTM D1550.

Aromatics: ASTM D1555: Benzene, Cumene, Cyclohexane, Ethybenzene, m-Xylene, o-Xylene, p-Xylene, Satyrene, Toluene, Aromatic hydrocarbon; 300-350 & 350-400F.

Olefins: Propylene API MPMS Ch.11.3.3.2, Ethylene IUPAC, Ethylene NIST1045, Ethylene API MPMS Ch.11.3.2 **Misc**: CO2PAC, WATER, Anhydrous Ammonia.

Prover Types: Unidirectional, Bi-directional Pipe, SVP/Compact (Daniel (Brooks), Honeywell (Calibron), FlowMD), Master Meter, Double Chronometry.

Approvals and Compliances

UL, CSA,

Available with European CE Mark. MID, European Directive 2004/22/EC, OIML R117-1, OIML D031, EN12405 Part 1; WELMEC 7.2 & 8.8.

Additional approvals for:

NMi (Netherlands Measurement Institute), Measurement Canada, INMETRO (Brazil), GOST (Russia), PAC (China), Indian W&M, LNE (France).



OMNI FLOW COMPUTERS, INC.

INPUT SPECIFICATIONS

Analog Inputs

Input Type: 1-5 V or 4 - 20 mA Scan rate: All channels read every 500ms Input Impedance: 1 Meg Ohm when 1-5V, (250 Ohms when 4-20 mA. selected by installing shunt resistor) Resolution: 14 Bits Accuracy: ±0.025% of reading +/- 2 counts 41°F to 122°F (+5°C to +50°C) Common Mode Voltage: ±250 VDC to chassis ground

Flowmeter Pulse Inputs

Input Frequency: DC to 15 kHz. Square Wave, DC to 12 kHz Sine Wave
Type: Dual Pulse or Single Pulse optically isolated.
Signal Level: Positive Going Trigger Threshold: +4.2 Volts +/- 0.2 volts (Nominal @ 1kHz)
Negative Going Trigger Threshold: +3.2 Volts +/- 0.2 volts (Nominal @ 1kHz)
Input impedance: 1 M Ohm (Nominal @ 1kHz)
Common Mode Voltage: ±250 VDC to

chassis ground Fidelity Checking: API MPMS OI 55 Lev

Fidelity Checking: API MPMS OL55 Level A.

Densitometer Pulse Inputs

Densitometers: Micro Motion (Solartron), Chandler (UGC), ThermoFisher (Sarasota). Positive Trigger Threshold: +1.6 Volts +/-0.2 volts Negative Trigger Threshold: +1.2 Volts +/-0.2 volts

OUTPUT SPECIFICATIONS

Analog Outputs Resolution: 12 Binary Bits Output: Current source 4-20 mA (referenced to transducer power return terminal) Common Mode: ±250 Volts to chassis ground Max./Min. Working Loop Voltage: 30 VDC to 18 VDC

OMNI FLOW COMPUTERS, INC.

www.omniflow.com Page 10 of 13 Loop Resistance: 900 Ohm with 24 VDC Power, 1.2 k Ohm with 30 VDC Power Update Rate: Each 500 milliseconds Signal Level: 2 to 5 Volts Peak to Peak Frequency: 250 Hz to 6.7KHz (4000 – 150 micro second period) Accuracy: 10 ppm (Frequency)

RTD Inputs

RTD Configuration: 4-wire Bridge (strongly recommended for fiscal accuracy) RTD Resistance: 100 Ohm @ 32°F (0°C) Excitation Current: 3.45 mA Nominal (+/-0.02 mA) Maximum Field Wiring Resistance: 1k Ohm per wire Resolution: 0.008 Ohms

Range: -229°F to 293°F (-145°C to +145°C) **Accuracy:** ±0.025% of reading +/- 2 counts 41°F to 122°F (+5°C to +50°C) **Common Mode Voltage**: ±250 VDC to chassis ground

Detector Switch Inputs

(Non-Double Chronometry) Input Type: Voltage Gating Transition: Voltage toggle starts/stops prove counts. Minimum Time Pulse High: 1 msec Minimum Time Pulse Low: >2 seconds Input Impedance: 4.7 k Ohms Input On Voltage: >10 V On, <4 VDC+ Off (referenced to DC Power Return) Debounce: 2 sec in Software Common Mode Voltage: ±250 VDC to chassis ground

Accuracy: ±0.05 % of reading +/- 2 counts 32°F to 122°F (+5°C to +50°C)



CONTROL OUTPUTS/STATUS INPUTS

(12 per module) Configuration: Open emitter Darlington or FET transistor source (Referenced to transducer power return terminal) (Configured as an Output) Current Capacity: 200 mA max. per point, 500 mA per digital I/O module Output Voltage: +DC – 1v nominal (Configured as an Input) Input Impedance: 4.7 k Ohms in series with 2 LEDs Input Voltage: Input voltages > 8 VDC to < DC+ will be recognized as on. Input voltages < +2 VDC will be recognized as off. LEDs: Operating and Fuse open circuit indicators on each channel Common Mode: ±250 Volts to chassis ground

Scan Rate: Outputs may be pulsed at 50Hz Maximum



OMNI FLOW COMPUTERS, INC.

COMMUNICATION SPECIFICATION

RS-232 Mode

Quantity: Two ports per S module. Maximum 6 ports in OMNI 6000, maximum 4 ports in OMNI 3000 Serial Data Output Voltage: ±7.5 Volts typical

Recommended Load Impedance: 1.5 k Ohm

Short Circuit Current: 10 mA limited Input Low Threshold: VI = -3.0 Volts Input High Threshold: Vh = +3.0 Volts Baud Rate: Software Selectable Range: 0.3, 0.6, 1.2, 2.4, 4.8, 9.6, 19.2, 38.4 kbps Common Mode Voltage: ±250 Volts DC to chassis ground LEDs: Indicator LEDs for each channel

LEDs: Indicator LEDs for each channel input, output and handshaking signals

RS-485

Quantity: Two ports per S module. Maximum 6 ports in OMNI 6000, maximum 4 ports in OMNI 3000

Serial Data Output Voltage: 5 Volts differential driver

Recommended Load Impedance: 120 Ohm (located on module) Short Circuit Current: 20 mA Limited Input Low Threshold: 0.8 Volts Baud Rate: Software selectable, Range 1.2, 2.4, 4.8, 9.6, 19.2, 38.4 k bps Common Mode Voltage: ±250 Volts DC to chassis ground LEDs: Indicator LEDs for each channel input, output and handshaking signals

Ethernet

Quantity: One port per SE module. Maximum 2 ports in OMNI 6000, maximum 1 port in OMNI 3000 Connections: 8 simultaneous (Sockets) per port Physical: 10Base-T Speed: 10MBits/Sec Protocols: Modbus, Modbus/TCP, LPD, Syslog, Telnet, TCP, UDP

HART

Physical: FSK Networks: 4 per Module – 16 Max Sensors: 4 per Network – 64 Max per OMNI



OMNI FLOW COMPUTERS, INC.

www.omniflow.com Page 12 of 13

OMNI Flow Computers, Inc., pursuant to a policy of product development and improvement, may make any necessary changes to these specifications without notice.

The OMNI Flow logo, "OMNI", "OMNICOM", "OMNIVIEW" and" Measure the Difference", are registered trademarks of OMNI Flow Computers, Inc., in the United States and other countries. All other trademarks are the property of their respective owners.

OMNI Flow Computers, Inc.

12320 Cardinal Meadow Dr. Suite 180 Sugar Land, Texas, 77478-6218, USA

Sales and Service: +1 281-240-6161 Facsimile: +1 281-240-6162 sales@omniflow.com helpdesk@omniflow.com

OMNI FLOW COMPUTERS, INC.

www.omniflow.com Page 13 of 13

