

3000/6000 Series Customer Application



*Company: _____
Address: _____

*End-User Company: _____

Date: _____
*Contact: _____
*Phone: _____
*Email: _____
Project Name: _____
*Final Location State / Country: _____

*Required

Use this form to describe the needs of your new flow computer. If you are unsure about the specifications required for the system, consult your Measurement Specialist, your Project Manager, or your Lead Systems Integrator. For assistance in filling out this worksheet, contact sales@omniflow.com. For additional details about products and services OMNI offers, visit <http://www.omniflow.com>.

Application

Select the flow computer's application and measurement system.

- | | |
|--|--|
| <input type="checkbox"/> Rev. 20–Liquid: Turbine/PD/Coriolis/Ultrasonic (US) | <input type="checkbox"/> Rev. 24–Liquid: Turbine/PD/Coriolis/Ultrasonic (Metric) |
| <input type="checkbox"/> Rev. 21–Liquid: Orifice Meter (US) | <input type="checkbox"/> Rev. 26–Liquid: Turbine/PD Meter with MF Curve (Metric) |
| <input type="checkbox"/> Rev. 22–Liquid: Turbine/PD Meter with MF Curve (US) | <input type="checkbox"/> Rev. 27–Gas: Orifice/Turbine/Ultrasonic Meter (Metric) |
| <input type="checkbox"/> Rev. 23–Gas: Orifice/Turbine/Ultrasonic Meter (US) | |

Products

Liquid: Crude Oil Refined Products LPGs/NGLs Propylene Ethylene E/P Mix

Gas: Natural Gas Ethylene CO₂ Steam N₂ O₂ H₂ Ar

Other: _____

Models

Select the model for your flow computer.



- 3000**
Standard Panel Mount



- 3000 PNM40***
Standard Panel Mount with Separate "Short" Extended Back Panel and 5-ft Cables



- 3000 NE4OPT***
3-Piece Assembly that includes:
- Separate Keypad
 - A Card chassis with an 18-in. Extended Keypad Cable
 - Extended Back Panel with 5-ft cables



- Suitcase**
Portable Proving Suitcase with OMNI 3000

*If needed, Extended cables with AC are available in 10ft and 15ft for the PMN40 and NE4OPT models

- 10-ft A/B cable 15-ft A/B cable

3000/6000 Series Customer Application



- 6000**
Standard
Panel Mount



- 6000 PNM40***
Standard Panel
Mount with
Separate "Long"
Extended Back
Panel and
5-ft Cables



- 6000 PNM40***
Standard Panel
Mount with
Separate "Short"
Extended Back
Panel and
5-ft Cables



- 6000 NE4OPT***
3-Piece Assembly includes:
 - Separate Keypad
 - A Card chassis with an 18-in. Extended Keypad Cable
 - Extended "Long" Back Panel with 5-ft cables



- 6000 NE4OPT***
3-Piece Assembly includes:
 - Separate Keypad
 - A Card chassis with an 18-in. Extended Keypad Cable
 - Extended "Short" Back Panel with 5-ft cables

*If needed, Extended cables with AC are available in 10ft and 15ft for the PMN40 and NE4OPT models

- 10-ft A/B cable

- 15-ft A/B cable

Front Panel Text Language

- English

- Spanish

- Russian

- Chinese

- French

Power Supply

All flow computers come with a universal PSU: 110-250 VAC & 18-24 VDC. Select the compatible power supply (cord) set.

- US-compatible cord set

- EU-compatible cord set

Enclosure Options

If you would like the NE4OPT mounted in an enclosure by Omni, select the type.



- NEMA 4X SST LACT**
This enclosure will house the OMNI 3000. Available only for stock model flow computer part # 301551



- NEMA 4X SST with a swing door (single unit)**
This enclosure will house one OMNI 3000 or one OMNI 6000.



- NEMA 4X SST with a swing door (dual units)**
This enclosure will house two OMNI 3000s or two OMNI 6000s.

3000/6000 Series Customer Application



Meter/Process Input Configurations Options

As applicable, write the desired configuration for each meter run and station. Note:

- Only one selection may be made per column.
- Leave the selection blank if not applicable.

	Meter Run #1	Meter Run #2	Meter Run #3	Meter Run #4	Station
Flow Meter Selection¹ <ul style="list-style-type: none"> • Turbine (T) • PD Meter (PD) • Coriolis (C) • Ultrasonic (USM) • Diff. Pres. (DP) and 1, 2, or 3 transmitters per run 					
Smart Multi-Variable (DP, SP, T) <ul style="list-style-type: none"> • Rosemount 3095FB Modbus (SV) • Honeywell SMV 3000 (HV). Application 21 & 23/27 only • HART (HM) Application 23/27 only 					
Coriolis Mass or Volume Pulse² <ul style="list-style-type: none"> • Volume pulse (V) • Mass pulse (M) 					
Dual Pulse Fidelity Required?³ Yes (Y) or No (N)					
Gas USM Serial Communications⁴ Yes (Y), or No (N)					
Temperature Selection <ul style="list-style-type: none"> • 4-20mA (mA) • 1-5Volts (V) • 4-wire RTD (RTD) • HART (HT) • Honeywell DE (H) 					
Pressure Selection <ul style="list-style-type: none"> • 4-20mA (mA) • 1-5Volts (V) • HART (HT) • Honeywell DE (H) 					

	Meter Run #1	Meter Run #2	Meter Run #3	Meter Run #4	Station
Densitometer Selection <ul style="list-style-type: none"> • 4-20mA (mA) • 1-5Volts (V) • Frequency (F) 					
Density Temperature <ul style="list-style-type: none"> • 4-20mA (mA) • 1-5Volts (V) • 4-wire RTD (RTD) • HART (HT) 					
Density Pressure <ul style="list-style-type: none"> • 4-20mA (mA) • 1-5Volts (V) • 4-wire RTD (RTD) • HART (HT) 					
Additional Analog Inputs (BS&W, CO₂, N₂, SG, H₂, etc.) Provide number of Analog Inputs and select signal type: <ul style="list-style-type: none"> • 4-20mA (mA) • 1-5Volts (V) • HART (HT) 					
Gas Chromatograph <ul style="list-style-type: none"> • RS232 (232) • 4RS485 (485) 					

¹ Combining Turbine and Differential Pressure inputs is only available on Gas Application.

² This option only applies for Coriolis flow meters.

³ The flow meter must be suitably equipped.

⁴ Assumes a compatible communications protocol is available.

*Note: Combination of Turbine and Differential Pressure inputs is only available on Rev. 23 and 27.

3000/6000 Series Customer Application



Prover Configurations

As applicable, check the desired configuration. Note:

- Only one choice can be applied.
- Leave the selection blank if not applicable or no preference.

Selection	Response			
Double Chronometry Proving?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Plenum Pressure	<input type="checkbox"/> 4-20mA (mA)	<input type="checkbox"/> 1-5Volts (V)	<input type="checkbox"/> 4-wire RTD (RTD)	<input type="checkbox"/> Honeywell (H) <input type="checkbox"/> HART (HT)
Switch Bar Temperature	<input type="checkbox"/> 4-20mA (mA)	<input type="checkbox"/> 1-5Volts (V)	<input type="checkbox"/> 4-wire RTD (RTD)	<input type="checkbox"/> Honeywell (H) <input type="checkbox"/> HART (HT)
Prover Inlet Temperature	<input type="checkbox"/> 4-20mA (mA)	<input type="checkbox"/> 1-5Volts (V)	<input type="checkbox"/> 4-wire RTD (RTD)	<input type="checkbox"/> Honeywell (H) <input type="checkbox"/> HART (HT)
Prover Outlet Temperature	<input type="checkbox"/> 4-20mA (mA)	<input type="checkbox"/> 1-5Volts (V)	<input type="checkbox"/> 4-wire RTD (RTD)	<input type="checkbox"/> Honeywell (H) <input type="checkbox"/> HART (HT)
Prover Inlet Pressure	<input type="checkbox"/> 4-20mA (mA)	<input type="checkbox"/> 1-5Volts (V)	<input type="checkbox"/> 4-wire RTD (RTD)	<input type="checkbox"/> Honeywell (H) <input type="checkbox"/> HART (HT)
Prover Outlet Pressure	<input type="checkbox"/> 4-20mA (mA)	<input type="checkbox"/> 1-5Volts (V)	<input type="checkbox"/> 4-wire RTD (RTD)	<input type="checkbox"/> Honeywell (H) <input type="checkbox"/> HART (HT)
Prover Densitometer	<input type="checkbox"/> 4-20mA (mA)	<input type="checkbox"/> 1-5Volts (V)	<input type="checkbox"/> Frequency (F)	

Peripheral I/O Options

As applicable, detail any peripheral I/O. Leave the selection blank if not applicable or no preference.

Selection	Maximum	Total
Digital I/O Points Required	24	
4-20 mA outputs Required	16	
Serial Ports Required	6 for 6000 and 2 for 3000	
Ethernet Ports Required	3 for 6000 and 2 for 3000	

Additional Information

Model Number: _____ **Quantity:** _____
Approval Requirements (e.g., MID, local, UL 60950 or UL 61010): _____
Comments: _____

