

# 4000/7000 Series Customer Application



*Company: _____	Date: _____
Address: _____	*Contact: _____
_____	*Phone: _____
_____	*Email: _____
*End-User Company: _____	Project Name: _____
	*Final Location State / Country: _____

\*Required

Use this form to describe the requirements of your new flow computer. If you are unsure about the specifications 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](mailto: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"/> Liquids - K-Factor Curve (US Units)      | <input type="checkbox"/> Liquids - K-Factor Curve (Metric Units)        |
| <input type="checkbox"/> Liquids - Meter Factor Curve (US Units)  | <input type="checkbox"/> Liquids - Meter Factor Curve (Metric Units)    |
| <input type="checkbox"/> Gas (US Units)                           | <input type="checkbox"/> Gas (Metric Units)                             |
| <input type="checkbox"/> Gas & Liquid K-Factor Curve (US Units)** | <input type="checkbox"/> Gas & Liquid - K-Factor Curve (Metric Units)** |

\*\*Application not available with "Basic Firmware" License (ONLY available with a "Standard Firmware" License)

## Products

Select the product(s) that the flow computer will measure. These must be compatible with the application.

- Liquid:  Crude Oil  Refined Products  LPGs/NGLs  Aromatics  Alcohols  
Gas:  Natural Gas  
Other: \_\_\_\_\_

## Models

Select the model for your flow computer.



- 4000**  
Standard Panel Mount.



- 4000 PMN40\***  
Standard Panel Mount with Separate Extended Back Panel and 5-ft cables.



- 4000 NE4OPT\***  
3-Piece assembly that includes:
- An Extended Keypad
  - A Card chassis with an 18-in extended keypad cable
  - An Extended Back Panel with 5-ft Cables



- Suitcase**  
Portable Proving Suitcase with a 4000 Omni.

# 4000/7000 Series Customer Application



- 7000**  
Standard  
Panel  
Mount



- 7000 PMN40\***  
Standard Panel  
Mount with  
Separate "Long"  
Extended Back  
Panel and  
5-ft Cables



- 7000 PMN40\***  
Standard Panel  
Mount with  
Separate "Short"  
Extended Back  
Panel and  
5-ft Cables



- 7000 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



- 7000 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 PMN4O and NE4OPT models

- 10-ft A/B cable

- 15-ft A/B cable

## Power Supply

All flow computers come with a universal Power Supply Unit module: 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 one OMNI 4000. Available only for stock model flow computer part # 421551.



- NEMA 4X SST with a swing door (single unit)**  
This enclosure will house one OMNI 4000 or one OMNI 7000.



- NEMA 4X SST with a swing door (dual units)**  
This enclosure will house two OMNI 4000s or two OMNI 7000s.

## 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.

Certain terms have been abbreviated unless otherwise indicated:

- 4-20mA (mA)
- 1-5Volts (V)
- 4-wire RTD (RTD)

	Meter Run 1	Meter Run 2	Meter Run 3	Meter Run 4	Meter Run 5	Meter Run 6	Station 1	Station 2
<b>Flow Meter Selection</b>								
<ul style="list-style-type: none"> <li>• Turbine (T)</li> <li>• PD Meter (PD)</li> <li>• Coriolis (C)</li> <li>• Ultrasonic (USM)<sup>1</sup></li> <li>• Diff. Pres. (DP) and 1, 2, or 3 transmitters per run</li> </ul>								
<b>Flow Meter Brand:</b>								
<b>Coriolis Mass or Volume Pulses<sup>2</sup></b>								
<ul style="list-style-type: none"> <li>• Volume pulses (V)</li> <li>• Mass pulses (M)</li> </ul>								
<b>Dual Pulse Fidelity required?<sup>3</sup> Yes (Y) or No (N)</b>								
<b>Temperature</b> (mA, V, RTD, or HART)								
<b>Pressure</b> (mA, V, or HART)								
<b>Densitometer</b> (mA, V, or Frequency/F))								
<b>Density Temperature</b> (mA, V, RTD, or HART)								
<b>Density Pressure</b> (mA, V, or HART)								
<b>Additional Analog Inputs</b> (BS&W, CO <sub>2</sub> , N <sub>2</sub> , H <sub>2</sub> , etc.) Choose a signal type (mA, V, or HART) and number required.								
<b>Gas Chromatograph</b>								
<ul style="list-style-type: none"> <li>• RS-232 (232)</li> <li>• RS-485 (485)</li> </ul>								

<sup>1</sup> Pulse Input Only. <sup>2</sup> This option only applies for Coriolis flow meters. <sup>3</sup> The flow meter must be suitably equipped.

## 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
<b>Double Chronometry Proving?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Plenum Pressure</b>	<input type="checkbox"/> 4-20mA (mA) <input type="checkbox"/> 1-5Volts (V) <input type="checkbox"/> HART
<b>Switch Bar / Invar Rod Temperature</b>	<input type="checkbox"/> 4-20mA (mA) <input type="checkbox"/> 1-5Volts (V) <input type="checkbox"/> 4-wire RTD <input type="checkbox"/> HART
<b>Prover Inlet Temperature</b>	<input type="checkbox"/> 4-20mA (mA) <input type="checkbox"/> 1-5Volts (V) <input type="checkbox"/> 4-wire RTD <input type="checkbox"/> HART
<b>Prover Outlet Temperature</b>	<input type="checkbox"/> 4-20mA (mA) <input type="checkbox"/> 1-5Volts (V) <input type="checkbox"/> 4-wire RTD <input type="checkbox"/> HART
<b>Prover Inlet Pressure</b>	<input type="checkbox"/> 4-20mA (mA) <input type="checkbox"/> 1-5Volts (V) <input type="checkbox"/> HART
<b>Prover Outlet Pressure</b>	<input type="checkbox"/> 4-20mA (mA) <input type="checkbox"/> 1-5Volts (V) <input type="checkbox"/> HART
<b>Prover Densitometer</b>	<input type="checkbox"/> 4-20mA (mA) <input type="checkbox"/> 1-5Volts (V) <input type="checkbox"/> Frequency (F)
<b>Prover Density Temperature</b>	<input type="checkbox"/> 4-20mA (mA) <input type="checkbox"/> 1-5Volts (V) <input type="checkbox"/> 4-wire RTD <input type="checkbox"/> HART
<b>Prover Density Pressure</b>	<input type="checkbox"/> 4-20mA (mA) <input type="checkbox"/> 1-5Volts (V) <input type="checkbox"/> 4-wire RTD <input type="checkbox"/> HART

## Peripheral I/O Options

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

Selection	Total
<b>Digital I/O Points Required (Max 58)</b> DM module: 10 I/Os is standard; check box(s) for additional I/Os. Note: Up to 48 additional I/Os can be provided with external DT modules.	<input type="checkbox"/> DT = 16 <input type="checkbox"/> DT = 16 <input type="checkbox"/> DT = 16 
<b>4-20 mA outputs Required (Max. 16)</b>	
<b>Serial Ports Required (Max. 10 for 7000 and 2 for 4000)</b>	
<b>Ethernet Ports Required (Max. 4 for 7000 and 2 for 4000)</b>	

## Additional Information

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