

This Quick Start Guide for the QuadraTherm™ 640i/780i Thermal Mass Flow Meter gives you get up and running instructions. For complete simplified instructions, please download the QuadraTherm Instruction Manual.

IMPORTANT! Before installing meter, follow the steps below:

Step 1. Download Instruction Manual

To get technical information, download the QuadraTherm 640i/780i Instruction Manual and the Smart Interface Probe (SIP) Software Manual at www.omega.com/omega/omega-usa/omega-usa-usa

Step 2. Download FREE Software – Set Apps

Download the most current Smart Interface Probe (SIP) product software at www.omega.com/omega-usa/omega-usa-usa. Use the included 6 pin, 90-130 cable with tip leads to connect the meter to your computer.

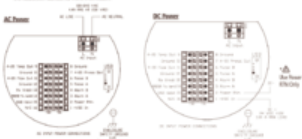
Important: If you do not have an internal connection, you must download the software to a USB stick or other storage device.

Safety

1. **AC power only:** after installing the wiring diagrams in the "Installation and Wiring" section below or in Chapter 2 of the Instruction Manual. **AC power line only:** after checking plumbing connections for leaks.

Installation and Wiring

1. Install the meter in the pipe. Make sure you have enough straight run pipe for your installation. See Figure 21 in Chapter 2 of the Instruction Manual for the straight run requirements.
2. Connect AC or DC power per the meter configuration required. See the diagrams below or Figures 2, 3, 4, and 2.7 in Chapter 2 in the Instruction Manual for more information.



⚠️ Do not use a compressed gas or an apply water or other liquid to the meter or its wiring.

2. After correct wiring is complete, the meter will begin displaying measured conditions using the set-up as supplied by the factory from your application data sheet. The set-up allows 16 data points (display if selected) in the Smart Interface Program (SIP) to be connected and installed on your computer. The meter will work through three sensors: flow and temperature, pressure if selected, and density. See Chapter 3: Operating & Programming in your Instruction Manual.
4. Connect the output signals if you are going to use them. The meter comes with three non-isolated outputs for flow, temperature, and pressure.