PIPE INSERT HEATERS

MTO-LT Series
Starts at $625

✓ For Insertion into 2" (5 cm) or Larger Pipe
✓ Moisture/Explosion Resistant Enclosure*
✓ 14 to 13 kW
✓ 240 and 480V, 1 Phase
✓ 2 NPT Steel Screw Plug
✓ Lengths to 367"
✓ Incoloy Sheath Heating Elements

*Not intended for use in hazardous areas.

APPLICATIONS
For use in those applications where process materials can be heated by inserting heater into a 2" (5 cm) or larger pipe. A pipe union will facilitate installation and eliminate the need for twisting the elements inside the pipe. Clearance room should be considered.

FEATURES
Choice of materials and surface loadings (W/in²) permit operating in the dead air space of pipes, tubes, or channels.
Avoids “coking” or charring asphalt or other heat sensitive materials as the pipe surface functions as a low density heat transfer surface.
Corrosion problems alleviated by lower heat intensity.
Install or remove without draining the pipe.
Liquid-tight terminal housing.
Low watt density.

CAUTION AND WARNING!
Fire and electrical shock may result if products are used improperly or installed or used by non-qualified personnel. See inside back cover for additional warning.

To Order (Specify Model Number)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Price</th>
<th>kW**</th>
<th>Volts</th>
<th>Phase</th>
<th>W/in²</th>
<th>Dimensions—in. (cm)</th>
<th>Std. Pipe Thd. in. (cm)</th>
<th>Weight lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTO-241LT/240</td>
<td>$1300</td>
<td>4</td>
<td>240</td>
<td>1</td>
<td>11.7</td>
<td>127 (322)</td>
<td>120 (305)</td>
<td>2 (5)</td>
</tr>
<tr>
<td>MTO-241LT/480</td>
<td>1300</td>
<td>4</td>
<td>480</td>
<td>1</td>
<td>11.7</td>
<td>127 (322)</td>
<td>120 (305)</td>
<td>2 (5)</td>
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<tr>
<td>MTO-251LT/240</td>
<td>625</td>
<td>5</td>
<td>240</td>
<td>1</td>
<td>11.1</td>
<td>163 (414)</td>
<td>156 (396)</td>
<td>2 (5)</td>
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<td>MTO-251LT/480</td>
<td>1450</td>
<td>5</td>
<td>480</td>
<td>1</td>
<td>11.1</td>
<td>163 (414)</td>
<td>156 (396)</td>
<td>2 (5)</td>
</tr>
<tr>
<td>MTO-275LT/240</td>
<td>2600</td>
<td>7.5</td>
<td>240</td>
<td>1</td>
<td>12.7</td>
<td>211 (536)</td>
<td>204 (518)</td>
<td>2 (5)</td>
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<tr>
<td>MTO-275LT/480</td>
<td>1800</td>
<td>7.5</td>
<td>480</td>
<td>1</td>
<td>12.7</td>
<td>211 (536)</td>
<td>204 (518)</td>
<td>2 (5)</td>
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<td>1</td>
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<td>319 (810)</td>
<td>312 (792)</td>
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<tr>
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<td>4500</td>
<td>13</td>
<td>480</td>
<td>1</td>
<td>12.5</td>
<td>367 (932)</td>
<td>360 (914)</td>
<td>2 (5)</td>
</tr>
</tbody>
</table>

** Higher kW available – consult OMEGALUX®.
Ordering Examples: MTO-241LT/240, 1 phase, 4 kW pipe insert heater, $1300.
MTO-251LT/240, 1 phase, 5 kW pipe insert heater, $625.
More than 100,000 Products Available!

- **Temperature**

- **Flow and Level**
  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

- **pH and Conductivity**
  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**

- **Pressure, Strain and Force**
  Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

- **Heaters**