

## WECO HAMMER UNION TEMPERATURE TRANSDUCER

### MODEL 271 / 371

#### FEATURES:

- 2" - 1502, 2002 or 2202 WECO® Sizes
- Rated to 22,500 PSI (1,551 BAR)
- Corrosion resistant materials
- 0 to 5 Vdc or 4-20 mA outputs
- Calibrated temperature range from -40 °F (-40 °C) up to +250 °F (+121 °C)

#### APPLICATIONS:

- Drilling and well servicing
- Choke and kill operations
- Hydraulic fracturing

#### PRODUCT OVERVIEW:

GP:50 Model 71 series is specifically designed to provide accurate temperature measurement in a WECO® union configuration. Optional WECO® union sizes, electrical connections and RTD, 0 to 5 Vdc or 4-20 mA outputs available.

#### FIELD OPTIONS:

- Optional electrical connections
- Inconel wetted parts
- Digital outputs RS232, CANbus or RS485
- ATEX Intrinsically Safe Approval



Model 271 / 371  
WECO® "Hammer" Union  
Temperature Transducer

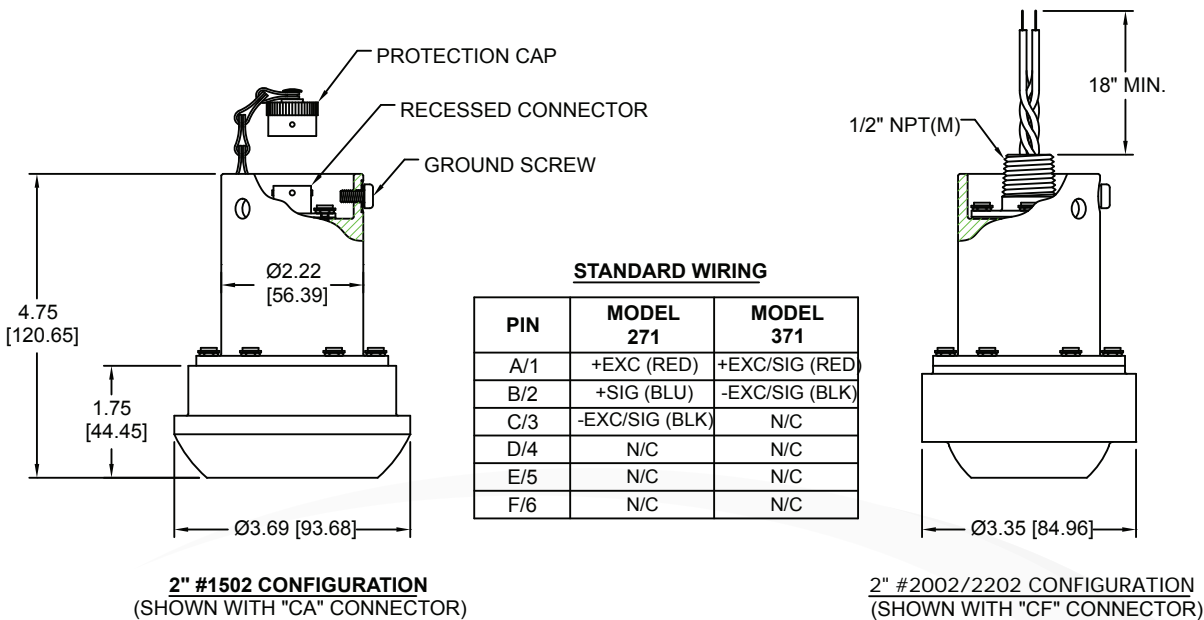


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## DIMENSIONAL DRAWING

All dimensions are in inches (mm)



## REFERENCE SPECIFICATIONS

ELECTRICAL
<ul style="list-style-type: none"> <li><b>Supply Voltage:</b> (Model 271) 9 to 36 Vdc (Model 371) 9 to 36 Vdc</li> </ul>
<ul style="list-style-type: none"> <li><b>Output Signal:</b> (Model 271) 0 to 5 Vdc (Model 371) 4-20 mA</li> </ul>
<ul style="list-style-type: none"> <li><b>Insulation Resistance:</b> (Model 271 &amp; 371) <math>\geq 100 \text{ M}\Omega</math> at 50 Vdc</li> </ul>
<ul style="list-style-type: none"> <li><b>Connection:</b> Bendix PTO2E-10-6P</li> </ul>
MATERIALS OF CONSTRUCTION
<ul style="list-style-type: none"> <li><b>Sensor:</b> 17-4 PH stainless steel</li> <li><b>Housing:</b> 300 series stainless steel</li> </ul>

ACCURACY
<ul style="list-style-type: none"> <li>Standard: <math>\pm 3 \text{ }^\circ\text{F}</math> (<math>\pm 1.41 \text{ }^\circ\text{C}</math>)</li> <li>Zero Balance (@ 70 <math>^\circ\text{F}</math>): <math>\pm 0.5\%</math> FSO</li> </ul>
MECHANICAL
<ul style="list-style-type: none"> <li><b>Process Connection:</b> 2" 1502, 2002 or 2202 WECO®</li> <li><b>Maximum Operating Pressure:</b> 22,500 PSI (1,551 BAR)</li> <li><b>Approximate weight:</b> &lt;5 lbs (2.3 kg)</li> </ul>
CALIBRATED TEMPERATURE RANGES
0 $^\circ\text{F}$ to +250 $^\circ\text{F}$ (-18 $^\circ\text{C}$ to +121 $^\circ\text{C}$ ) -40 $^\circ\text{F}$ to +250 $^\circ\text{F}$ (-40 $^\circ\text{C}$ to +121 $^\circ\text{C}$ )

All specifications are for reference purposes only. In the interests of continuous product improvement, all specifications are subject to change without notice. Please contact GP:50 for assistance with your application.

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