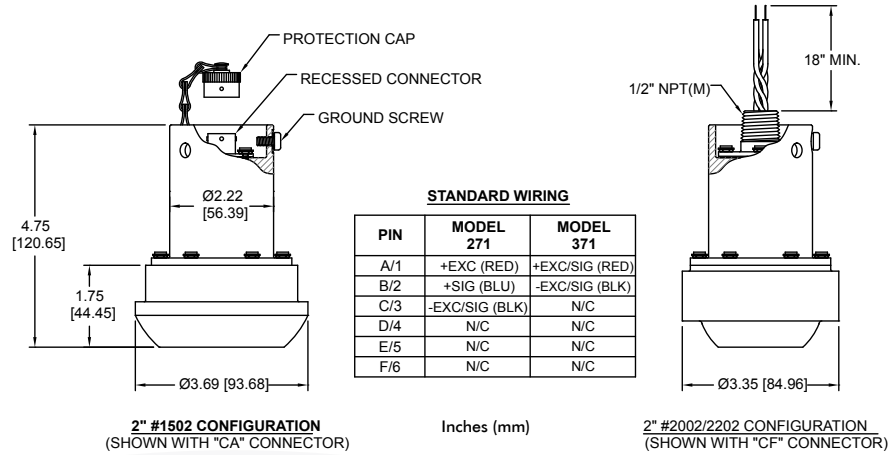




MODEL 271 / 371

WECO® HAMMER UNION TEMPERATURE TRANSDUCER



**REF DIMENSIONS ONLY.
CONSULT FACTORY FOR ACTUAL DIMENSIONS.**

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.

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

OPTIONS:

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

*For details of available approvals go to:
<https://www.gp50.com/certifications>



GP:50 MODEL 271 / 371

REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

ELECTRICAL	
Output Signal:	(271) 0 to 5 Vdc (371) 4-20 mA output
Excitation Voltage:	9 to 36 Vdc
Insulation Resistance:	(271 & 371) ≥ 100 M Ω at 50 Vdc
Circuit Protection:	RFI
Response Time:	<2 Secs

MATERIALS OF CONSTRUCTION	
Wetted Parts Material Selectable:	17-4 PH (H1025) SST, Inconel 718 NACE Inconel X750 or 718
Housing:	300 Series Stainless Steel

ACCURACY (BFSL): Hysteresis, Non-Linearity & Repeatability @ +70 °F	
Standard:	$\pm 0.75\%$ FSO
Zero & Span Balance:	$\pm 0.5\%$ FSO at +70 °F

MECHANICAL	
Process Connection:	2" 1502, 2002, or 2202 WECO®
Electrical Connection:	Bendix PTO2E-10-6P
Operating Pressure:	22,500K PSI (1,551 BAR) maximum operating pressure may exceed the working pressure rating for the mating WECO® pressure fitting
Stability:	$\pm 0.1\%$ FSO/yr
Approximate Weight:	<5 lbs (2.3 kg)

CALIBRATED TEMPERATURE RANGES	
32 °F to +212 °F (0 °C to +100 °C) -40 °F to +104 °F (-40 °C to +40 °C)	

THERMAL SPECIFICATIONS	
Operating Range:	Process: -65 °F to 300 °F (-54 °C to +149 °C) Ambient: -65 °F to 185 °F (-54 °C to +85 °C)

APPROVALS (4-20mA output only)	
ATEX/IEC Intrinsically Safe: II 1 G Ex ia IIC T5 Ga ATEX Zone 2: II 3 G Ex nA/ic IIC T5 Gc	

GP:50

OIL & GAS

