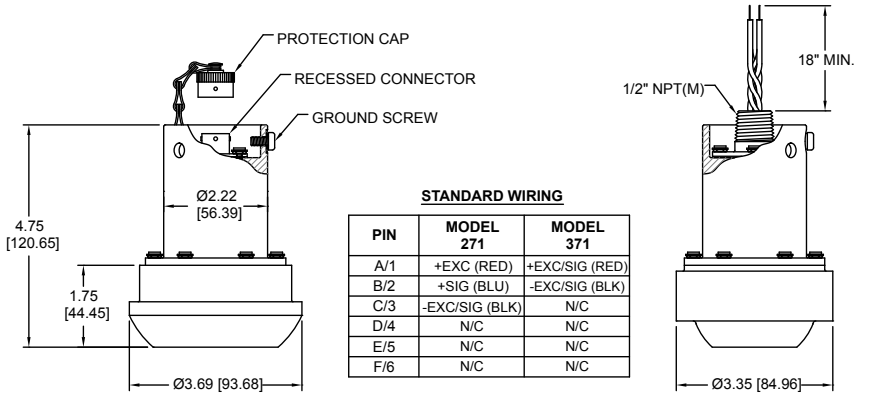
GP:50

OIL & GAS

MODEL 271 / 371

WECO® HAMMER UNION TEMPERATURE TRANSDUCER



2" #1502 CONFIGURATION
(SHOWN WITH "CA" CONNECTOR)

Inches (mm)

2" #2002/2202 CONFIGURATION
(SHOWN WITH "CF" CONNECTOR)

STANDARD WIRING

PIN	MODEL 271	MODEL 371
A/1	+EXC (RED)	+EXC/SIG (RED)
B/2	+SIG (BLU)	-EXC/SIG (BLK)
C/3	-EXC/SIG (BLK)	N/C
D/4	N/C	N/C
E/5	N/C	N/C
F/6	N/C	N/C

Ex IEC CE

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

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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 MΩ 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): Non-Linearity @ +70 °F	
Standard:	±0.75% FSO
Zero & Span Balance:	±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:	±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

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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.