

Wing Union Pressure Transmitters

Model 425 & 424

LONG LIFE X-750 MATERIAL

RUGGED, ROBUST DESIGN

AVAILABLE IN BOTH 1502 & 2202
2" WING UNION SIZES

RFI/EMI PROTECTED

INTRINSICALLY SAFE

QUICK DELIVERY & SERVICE

0.2% ACCURACY

Now with optional
temperature sensing
capability!



Model 425
(1502 fitting)

Model 424
(2202 fitting)

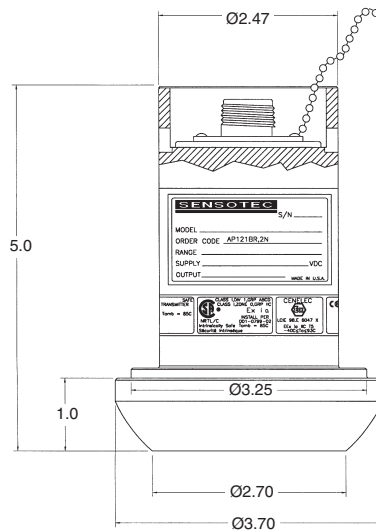
The Models 425 and Model 424 Wing Union Pressure Transmitters are extremely rugged sensors designed specifically for use with both 1502 and 2202 two-inch wing unions in the demanding environment of high-pressure applications for both land-based and off-shore installations.

The isolated pressure sensing diaphragm minimizes zero shift during hammer-up and eliminates long-term signal drift in the field. The sensor diaphragm and wing union fitting are machined as one part. The Model 425 and 424 are constructed as an all-welded assembly using a deep penetration, proprietary, electron beam welding process which also ensures hermetic integrity for

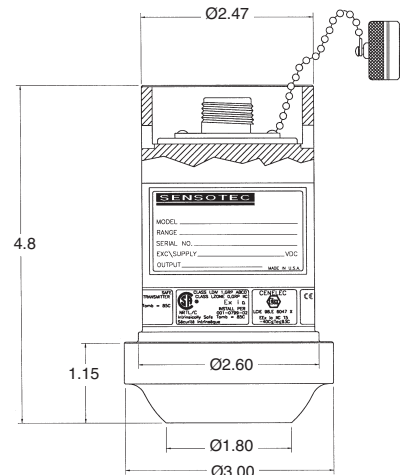
all field conditions. These transmitters incorporate special assembly processes to vibration and shock proof the components to ensure performance is maintained during the rigors of fracturing and cementing applications.

The 1502 and 2202 wing union compatible fittings are machined of Inconel X-750 providing service with highly abrasive and corrosive media. Both configurations comply with NACE Standard MR-01-75 (1980) for corrosive service.

The unique modular design of these models, Sensotec's supply chain management system, and specialized production area assure quick delivery for many standard configurations. SENSOTEC'S repair and calibration departments are geared up to support customers needing fast response and timely turnaround for transmitters damaged during use or in need of recalibration.



Model 425



Model 424

Applications

- Mud Logging
- Cementing
- Drilling
- Wellhead Measurement
- Fracturing
- Acidizing

1-800-848-6564

Honeywell
SENSOTEC

www.honeywell.com/sensing

Specifications

	Model 425 (1502 fitting) Order Code BP425	Model 424 (2202 fitting) Order Code BP424
PERFORMANCE	Accuracy..... Repeatability.....	±0.2% BFUL 0.1% Full Scale Output
ENVIRONMENTAL	Temperature, Operating..... Temperature, Compensated..... Temperature Effect on Zero..... Temperature Effect on Span.....	-45°F to +200°F (-43°C to +93°C) -30°F to +180°F (-35°C to +80°C) ≤0.01% F.S./°F (≤0.018% F.S./°C) ≤0.01% Rdg/°F (≤0.018% Rdg/°C)
ELECTRICAL	Supply Voltage..... Output (Standard)..... Insulation Resistance..... Maximum Loop Resistance..... Circuit Protection..... RFI/EMI Protection..... Electrical Connection (standard)..... Frequency Response..... "Zero" and "Span" Adjustment..... CE Marked.....	9 - 28 Volts DC 4-20mA (2-Wire) Full Scale ≥ 100 Megaohms at 50 VDC 950 Ohms at 28 Volts Decreasing Linearly to 0 Ohms at 9 Volts Reverse Polarity Protection of Supply Leads Noise Immunity from 5000 Hz to 1.0 GHz MS-3102E-14S-2P, 4-Pin Stainless Steel Hermetic Customer Specified and Factory Installed Filter for Frequency Response of Min. 10 Hz to Max of 2500 Hz (1.4 x 10 ⁻⁴ Sec.) Field Adjustable by removing connector Yes
MECHANICAL	Pressure Ranges..... Safe Overpressure..... Burst Pressure..... Pressure Fitting..... Wetted Parts, Material.....	0-5000 psi; 0-6000 psi; 0-10,000 psi; 0-15,000 psi 0-20,000 psi 1.5 Times Rated Full Scale Pressure or Limit of the WECO 1502 Fitting 2.5 Times Rated Pressure or Limit of WECO Fitting ©WECO 1502/2202 Wing Union, 2" Pipe, Male Sub End Inconel X-750
AMPLIFIER CERTIFICATIONS	CSA Approved..... CENELEC Approved..... FM Approved Intrinsically Safe.....	CLASS I, Div 1, GRP ABCD CLASS I, ZONE 0, GRP IIC Exia Install per 001-0799-02 Tamb = 85°C NRTL/C Intrinsically Safe LCIE 98.E 6047 X Eex ia IIC T5 -40° ≤ Ta ≤ 93°C CLASS I, II, III, Div 1 Groups ABCDEFG Tamb = 85°C
PHYSICAL	Connector/Mating Connector..... Weight..... Labels.....	NEMA 4x 6 Pounds Welded Stainless Steel with Embossed Characters Serial Number Scribed into Housing for Permanent ID
OPTIONS	Mechanical Connector Guard..... Carrying Handles/Connector Guards..... Frequency Response Filter..... Shunt Calibration..... DNV Approval..... Customer-specified Wiring Codes & Electrical Connectors..... Temperature Sensing Options.....	Stainless Steel Consult Factory to Select from the Variety of Handles or Connector Guards Customer Specified and Factory Installed Filter for Frequency Response of Min. 10Hz to Max of 2500 Hz (1.4 x 10 ⁻⁴ Mil sec.) Buffered Remote Activated with Optical Isolator Available. (Intrinsically Safe Approval is Pending) Available Available. Consult Factory. Option 45c: RTD output direct to connector. Gives temperature as a resistance reading. Intrinsically Safe. Option 45d: RTD with temperature as a 4-20mA output. Not Intrinsically Safe.

PRESSURE WING UNION



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