Hammer Union - 1502



Pressure Transmitter







The hammer union pressure transmitter is a US manufactured pressure transmitter with Weco[™] process connections. Offered with 4-20mA output signals, this design features high shock and vibration resistance, with testing up to 1000G. Pressure is measured from an Inconel 718 sensing element using MEMS silicon based strain gages to produce accurate repeatable measurements. The cage design allows for protection of both the connector and mating connector. The modular enclosure allows for simple factory replacement of the transmitter at a fraction of the cost of the whole assembly.

Benefits

- Modular design
- Cage protection for connector and mating cable
- Inconel 718 sensing element
- SIL2 available
- Easy to carry
- Non-clogging port

Performance @ 25°C (77°F)

Accuracy*	$< \pm 0.5\%$ BFSL			
Stability (1 year)	±0.25% FS, typical			
Over Range Protection	2X Rated Pressure, Minimum			
Burst Pressure	5X or 40,000 PSI			
	(whichever is less)			
Pressure Cycles	> 100 Million			

* Accuracy includes non-linearity, hysteresis & non-repeatability

Environmental Data

Temperature							
Operating	-40 to 80°C (-40 to 176°F)						
Storage	-40 to 100°C (-40 to 212°F)						
0-100% relative humidity, non-condensing							
Thermal Limits							
Compensated Range	0 to 55°C (32 to 132°F)						
TC Zero	$<\pm1.5\%$ of FS						
TC Span	$<\pm1.5\%$ of FS						
Other							
Shock	1,000g, 0.5ms half sine wave						
Vibration	EN 60068-2-6, 60068-2-64, and IEC 68-2-32						
EMI/RFI Protection:	Yes						
Rating:	IP-66, min						

Electrical Data	
Output	4-20mA
Excitation	10-28VDC
Output Impedance	>10k Ohms
Current Consumption:	20mA, typical
Bandwidth	(-3dB): DC to 250 Hz
Output Noise:	-
Zero Offset:	$<\pm1\%$ of FS
Span Tolerance:	$<\pm2\%$ of FS
Output Load:	0-800 Ohms@10-28VDC
Reverse Polarity Protection	Yes



Ordering Information

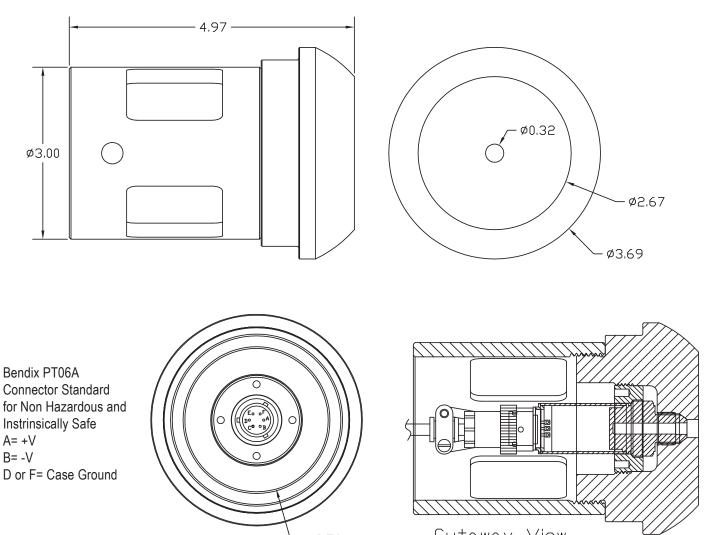
AS	ST4400		X	1	5000	P	4	R	2	601	-55
Serie	es Type										
	ess Connect becial - See optic		S								
	sure Measure		t								
rent	6,000	le	06000]							
PSIS Measurement	10,000	Pressure Code	10000								
Mea	15,000	essur	15000								
PSIS	20,000	Υ.	20000								
P= PS Outp			red)								
Elect R= 6- Y = M [*]	Pin Bendix (PT0	06A) (se	e Option 6	01)							
	ed Material conel 718 Sensor	r / 316L	SS								
	Veco™ 1502 Ca			ıdix A=+V	, B=-V, D and	F=Case Ground					
	oval CSA157 Class I E Same as -SS + SI			rinsically \$	Safe, ANSI/ISA	A 12.27.01 Single	Seal and ATE	X/IECEx Exia IIB C	class I, Zone	0, T4	

WECO is a registered trademark of FMC Technologies, Inc.

Hammer Union

Pressure Transmitter >





Ø2.50 ID Cutaway View

Hammer Union

Pressure Transmitter



CSA Approved Barrier Installation / A08949

