



# Mini Pressure Transmitters

Anderson's HA "Mini" sanitary pressure transmitter is specifically designed for critical measurements in fractional size lines. The product can be ordered with 3/4", 1", or 1-1/2" Tri-Clamp® connections as well as our CPM fitting. This eliminates the need for reducers or adapters, thus reducing hold-up volumes in small lines. Internal zero and span adjustments and easily accessible test points greatly simplify calibration and validation. 316 "L" stainless steel wetted parts are electro-polished to an  $R_a=8$ . Finally, since it's an Anderson "Pharmaceutical Series" product, every transmitter includes a calibration certificate and permanent tag at no charge. Complete specifications appear below, with an ordering matrix and dimensions on the reverse.



## SPECIFICATIONS

### Excitation:

10-40 VDC (Absolute), 24 VDC Nominal regulated or unregulated

### Output:

4-20 mA DC, 2 wire with non-interrupting circuit verification test points

### Loop Resistance:

0-700 ohms at 24 VDC

### Wiring Connection:

16 AWG max.; Screw Terminal; Accessible via removable screw cap conduit housing  
Optional 5pin M12 Quick Disconnect Receptacle

### Recommended Cable:

22-24 AWG, foil shielded, and PVC coated.  
(3/16 - 1/4 OD insulation)

### Accuracy:

± 0.5% of full scale

### Repeatability:

± 0.3% of full scale

### Hysteresis:

± 0.10% of full scale

### Linearity:

±0.10% of full scale

### Stability:

±0.30% of calibrated range/6 months

### Storage Temperature:

-40°C to 65°C (-40°F to 149°F)

### Process Temperature Limits:

-1°C to 149°C (30°F to 300°F)  
(Horizontal Mount recommended over 135°C (275°F))

### Ambient Temperature Limits:

-18°C to 49°C (0°F to 120°F)

### Effect of Temperature Change:

± 0.1 psig/5.5°C (10°F) typical

### Over-Range Rating:

2 times base range

### Response Time:

200 µSec

### Wetted Parts:

316L stainless steel electropolished  
( $R_a$  max. = 8 microinches, .2 microns)

### Housing Material:

304 stainless steel

### Zero and Span Adjustments:

± 10% of range

### Mounting:

Direct connection

### Electrical Ratings:

Intrinsically safe for use in  
Class 1, Div. 1, Groups A-D; CE Compliant  
(EMC Industrial Locations)

### Standards:

Designed and manufactured to sound engineering practices in accordance with Article 3.3 of the PED 97/23/EC  
NEMA 4X  
IP66  
CSA B51-03  
CRN# CSA0F9754.5C (except Mini CPM fitting 161)

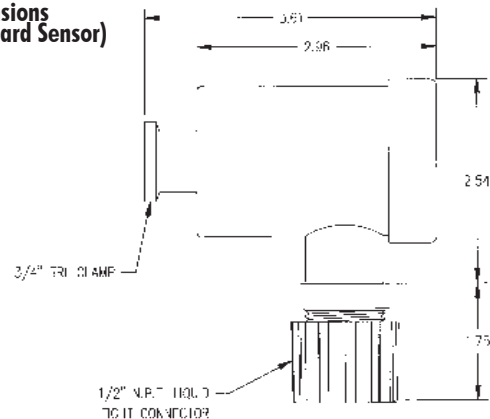
# Complete Product Ordering Matrix

		HA 6 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 0 1 2 <input type="text"/> <input type="text"/>									
<b>HOUSING</b>											
6	Conduit Housing										
<b>RANGE/(AVAILABLE UNITS)</b>		<b>CABLE LENGTH</b>									
025	30"Hg/0 (M)	00	No Cable								
028	30"Hg/0/15 psig (C)	05	25'								
029	30"Hg/0/30 psig (C)	10	50'								
031	30"Hg/0/60 psig (C)	15	75'								
032	30"Hg/0/100 psig (C)	20	100'								
056	-1/0/4 BAR (B)	24	200'								
057	0/2 BAR (B, T)	A0	Quick Disconnect Receptacle(QDR)**								
060	0/6 BAR (B)	A1	QDR & Field Wireable Connector(FWC)**								
061	0/10 BAR (B, T)	A2	QDR w/25 ft Molded Cordset**								
066	0/30 (G, A, M)	A3	QDR w/50 ft Molded Cordset**								
068	0/50 (G, A, B)	A5	QDR w/100 ft Molded Cordset**								
069	0/60 (G, A, B)	A9	QDR w/200 ft Cable**								
071	0/100 (G, A)										
073	0/150 (G, A)										
077	0/300 (G, A)										
081	0/500 (G)	<b>FINISH</b>									
084	0/1000 (G)	2	Electropolished (R <sub>a</sub> = 8)								
192	0/4 BAR (B, T)	<b>DIAPHRAGM MATERIAL</b>									
217	-1/0/3 BAR (B)	1	316L Stainless Steel								
235	0/3 BAR (B, T)										
251	-1/0/1 BAR (B)										
286	-1/0/2.5 BAR (B)										
304	-1/0/7 BAR (B)										
<b>ENGINEERING UNITS</b>											
G	PSIG										
M	" Hg (inches mercury)										
A	PSIA										
B	BAR										
C	Vacuum/Pressure (Hg & PSIG)										
T	BAR (Absolute)										
<b>FITTING</b>											
002	3/4" Tri Clamp®										
003	1" Tri Clamp®										
004	1.5" Tri Clamp®										
123	CPM*										
161	Mini CPM										
0	<b>STANDARD SENSOR</b>										

\* Standard O-Ring material is EPDM USP Class VI  
Silicon or Viton available as an option

\*\* UL Certification for Intrinsic Safety Pending

**Dimensions  
(Standard Sensor)**



Form#5003 © 12/97  
Revised: 1/18/11  
Supersedes: 3/10