"HA" Mini Pressure Transmitters

Introduction

Anderson-Negele's HA "Mini" sanitary pressure transmitter is specifically designed for critical measurements in functional 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 build-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 a Ra 15. Finally since it's an Anderson-Negele "Life Sciences 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:	16-40 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:	18 AWG max., Screw Terminal, Accessible via removable screw cap conduit housing. Optional 5pin M12 Quick Disconnect Receptacle
Recommended Cable:	22 Ga AWG, foil shielded, and PVC coated (3/16 - 1/4 OD insulated)
Accuracy:	± 0.5% of full scale
Repeatability:	± 0.1% of full scale
Hysteresis:	± 0.10% of full scale
Linearity:	±0.20% of full scale
Stability:	±0.25% of calibrated range/6 months
Storage Temperature:	-40°F to 85°C (-40°F to 185°F)
Process Temperature Limits:	-1°C to 140°C (30°F to 284°F) (Horizontal Mount recommended over 121°C (250°F))
Ambient Temperature Limits:	-18°C to 60°C (0°F to 140°F)
Effect of Temperature Change:	± 0.1 psig/0.1°C (10°F) typical
Over Range Rating:	2 times base range
Response Time:	200 mSec
Wetted Parts:	316L stainless steel electropolished (Ra max. <0.4 micrometers, 15 microns)
Housing Material:	304 stainless steel
Actuating Fill:	100% mineral oil, Meets FDA requirements (21 CFR, 172.878 and 178.3620(a))
Zero and Span Adjustments:	± 10% of range
Mounting:	Direct connection
Electrical Ratings:	Intrinsically safe for use in Class 1, Div. 1, Groups A-B; 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 IP68 CSA 3A 01-03 (USDA Class??? Dis 3A (except Mini CPM fitting 3A))