



**mm** AMS 3946  
AMS Series Displacement Sensors

Position - Distance - Runout  
Detect Magnetic Materials Only

**SENSOR PROBE**

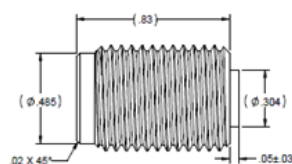
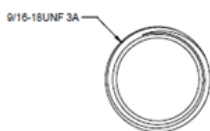
- Measuring Range: 1 to 5 mm
- Adjustable Offset: min 0.13 mm
- Pressure: 500 psi standard  
Optional designs to 22,500 psi
- Operating Temp. : -20° to 80 °C
- Storage Temp. : -50° - 150 °C
- Housing: 316 SS, IP67, 9/16-18 UNS 2A
- All Welded, hermetic construction optional
- Removable Cable, many lengths available



**SIGNAL CONDITIONING ELECTRONICS**

- Signal Conditioning Electronics
- Adjustable Gain & Offset Controls
- Small Form Factor: 25 x 25 x 75 mm  
#3 DIN Rail Mount
- Operating Temp. : -20° to 80 °C
- Bandwidth: -3 dB @ 5 kHz
- Input: +12 to 28 VDC  
0.56 W Max
- Output: 0-10 VDC standard  
0-5, ±5 VDC optional

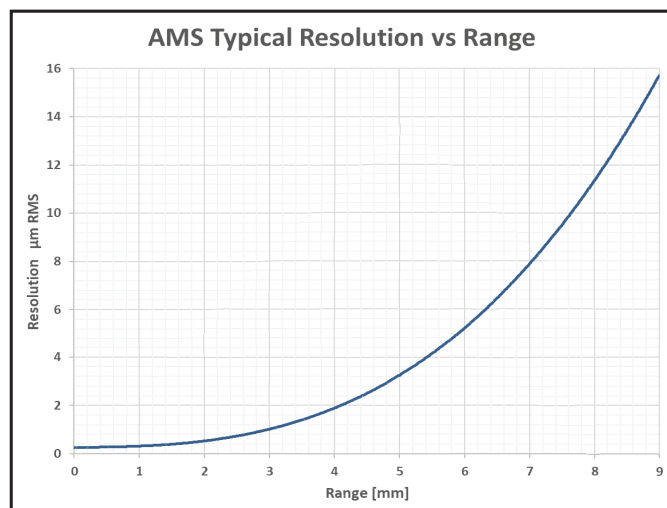
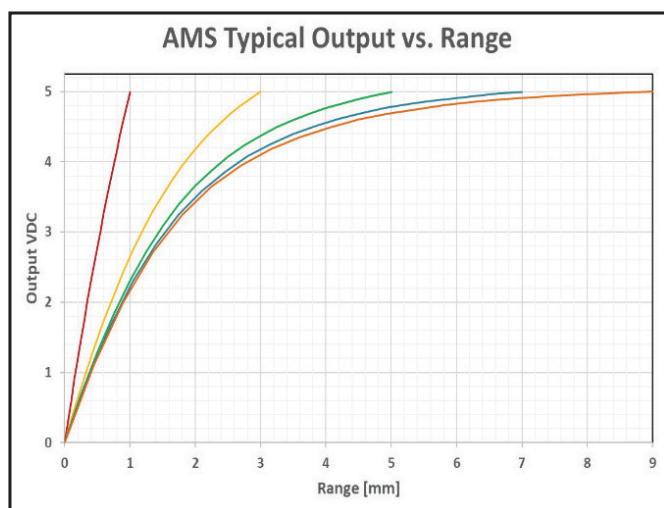
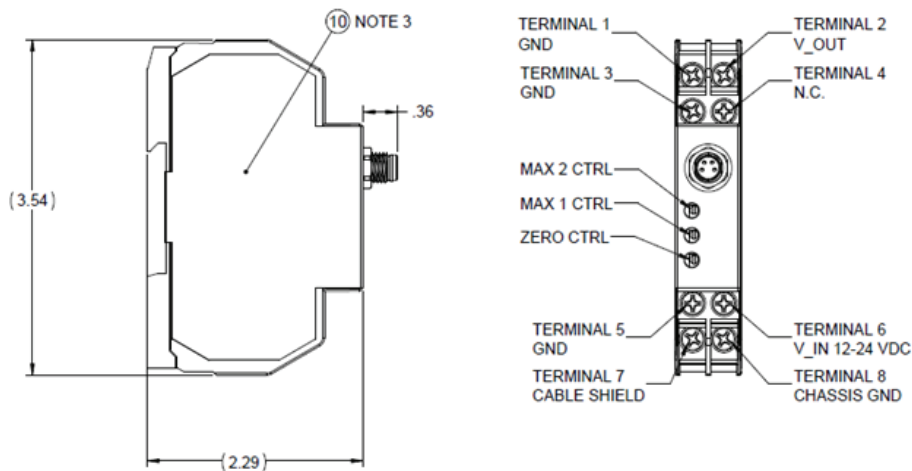
**DIMENSIONS / AMS STANDARD SENSOR PROBE**



AMS-HP THREADED SENSOR OUTLINE  
(SHOWN WITH CABLE REMOVED FOR CLAIRITY)



**DIMENSIONS / AMS SIGNAL CONDITIONING ELECTRONICS**



The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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