



Features

- **Reliability** – “direct drive” bourdon tube technology featuring only one moving part ensures conformance to accuracy specification and long service life...even in vibration and pulsation applications. **No need for liquid filling of case, ever!!**
- **Safe Design** – robust capillary tubing and bourdon tube, one moving part bourdon tube system and rear blow-out protection provide for an inherently safer product design in high vibration/pulsation applications
- **Rugged Product Packaging** – Electropolished 300 Series Stainless Steel. Watertight case suitable for washdown applications. Corrosion resistant materials utilized throughout
- **Accurate Measurements** – 1% of full scale or better measuring accuracy for many ranges
- **Sanitary Seals** – 1.5" or 2" 316L Stainless Steel Ladish Tri-Clamp sanitary seals are available
- **Options** – various fill fluids, custom scales, logos and dial artwork



Product Description

The Accu-Drive series of Sanitary gauges from 3D Instruments offers a new performance standard for pressure measurement in an analog Sanitary gauge. The Accu-Drive Sanitary gauge combines a high performance 2 ½" or 4 ½" 3D Instruments pressure gauge with a high quality Ladish Tri-Clamp sanitary seal to provide for reliable operation in even the most severe vibration and pulsation laden sanitary applications.... specially discharge pump applications in the food and pharmaceutical industries.

Utilizing the unique 3D Instruments helical bourdon “direct drive” pressure measurement technology, the antiquated C-bourdon tube utilized in most conventional pressure gauges is eliminated. Additionally, the gearing, linkages, levers and springs required to generate pointer movement in the conventional pressure gauge, which are highly prone to wear and premature failure in high vibration and pulsation applications, are also eliminated!!

The Accu-Drive Sanitary gauge is designed to provide superior performance in the harshest and most severe of process environments! The highest quality corrosion-resistant materials are featured throughout - a robust weather-resistant 300 series Stainless Steel case, Inconel X-750 helical bourdon tube and 316L Stainless Steel wetted parts.

The Accu-Drive Sanitary pressure gauge incorporates some very revolutionary design concepts...a unique maintenance-free “direct drive” measuring technology, a “dry case” vibration dampening system, whereby the Accu-Drive gauge does not require liquid filling of the case for severe service applications, and a convenient external zero adjustment to minimize potential maintenance.

The combination of sophisticated pressure measurement technology, robust design and high quality materials makes the Accu-Drive family of Sanitary gauges from 3D Instruments the ideal choice for your demanding sanitary processing applications.

