INSTRUMENTS. LLC Direct Drive Difference SIERRA PRECISION

Test and Process Gauges For Skydrol Applications

Features

- The 3D "Direct Drive Difference" means only one moving part
- Designed to withstand pulsation and vibration
- Protected from pressure spikes up to 150% of full scale
- 6 year warranty
- Nylon or stainless steel case
- Glass crystal
- Stainless steel dial silk-screened with Skydrol-resistant paint
- Purple label "For Skydrol Service Only"
- 6" dial size with process (1/2% mid scale) or test (1/4% full scale) accuracy
- $4^{1}/2$ " dial size with test accuracy (1/4%)
- Wetted parts are Inconel X-750, 316SS and nickel
- Maintenance free

DESCRIPTION

3D gauges are the most durable gauges for Skydrol applications. The helically-wound bourdon tube eliminates all the gears and linkages that wear out in other gauges. Regular calibration isn't required, since 3D Direct Drive gauges maintain their accuracy throughout the useful life of the gauge.

3D's Skydrol gauges are designed to resist the effects of corrosive Skydrol fluid. Nylon or stainless steel cases are fitted with glass crystals, and the stainless steel dials are painted with special Skydrol-resistant epoxy paint.

The internal components of 3D Skydrol gauges are also constructed of high quality, corrosionresistant materials. The helically-wound bourdon tube is Inconel X-750, which is nickel brazed to the stainless steel capillary. The aluminum pointer sits on a stainless steel shaft, which is supported by two synthetic sapphire bearings.

3D gauges are the ideal choice for applications that require accuracy, durability, and dependability. The long life offered by a 3D gauge means low cost of ownership for the user.

3D The Direct Drive Difference

SPECIFICATIONS

Pressure Ranges:	0-30 to 0-20,000 psig and equivalent ISO and metric scales	Operating Media:	Any media suitable for contact with 316 stainless steel, Inconel X-750, and nickel
Compound Ranges:	30" Hg/0-30 psi to 30" Hg/0-300 psi	Materials:	
Vacuum Ranges:	0-30" Hg	Case:	Nylon or 300 series stainless steel (4 ¹ / ₂ " dial size only)
Accuracy:	Series 2554: ± 0.25% of span Series 2550: ± 0.5% of span at	Crystal:	Safety glass
	mid-range; ± 1% overall	Sensing Element:	Inoonel X-750
Ambient Temperature:	-65° to 190°F (-54° to 88°C)	Fittings:	316 series stainless steel

ORDERING INFORMATION

