

## 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 (½% mid scale) or test (¼% full scale) accuracy
- 4½" dial size with test accuracy (¼%)
- 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, corrosion-resistant 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.

## SPECIFICATIONS

**Pressure Ranges:** 0-30 to 0-20,000 psig and equivalent ISO and metric scales

**Compound Ranges:** 30" Hg/0-30 psi to 30" Hg/0-300 psi

**Vacuum Ranges:** 0-30" Hg

**Accuracy:** Series 2554: ± 0.25% of span  
Series 2550: ± 0.5% of span at mid-range; ± 1% overall

**Ambient Temperature:** -65° to 190°F  
(-54° to 88°C)

**Operating Media:** Any media suitable for contact with 316 stainless steel, Inconel X-750, and nickel

**Materials:**

**Case:** Nylon or 300 series stainless steel (4½" dial size only)

**Crystal:** Safety glass

**Sensing Element:** Inconel X-750

**Fittings:** 316 series stainless steel

## ORDERING INFORMATION

Example: 25504-23B15GAB-XXX

Model # 25= process and test gauges	Type 5=pressure 1=compound 2=vacuum	Accuracy 0=process 4=test <b>①</b>	Size 4=4½" 5=6" <b>②</b>	-	Range <b>③</b>	Connection B=¼"; C=½" <b>④</b>	Flange/ Fitting <b>⑤</b>	Case <b>⑥</b>	Mod Code <b>⑦</b>	- <b>⑧</b>	Mod Code <b>⑧</b>
		<b>2 5 5 0</b>	<b>4</b>	<b>-</b>	<b>23</b>	<b>B</b>	<b>1 5</b>	<b>GAB</b>	<b>-</b>	<b>XXX</b>	

**① ACCURACY:** 0=Process; 4=test. Process accuracy is ½% mid scale and 1% full scale overall. Test accuracy is ¼% full scale. Reduced accuracy for vacuum, compound, high-pressure test (8,000 psi and greater), and ultra high pressure (15,000 and 20,000).

**② DIAL SIZE**  
4=4½" (114mm) (nominal)  
5=6" (152mm) (nominal)

<b>③ RANGE (psig*)</b>	31=0-1,500
21=0-30	32=0-2,000
48=30"Hg-0-30 (compound)	33=0-3,000
22=0-60	34=0-4,000
23=0-100	35=0-5,000
24=0-150	36=0-6,000
45=0-160	37=0-8,000
25=0-200	38=0-10,000
26=0-300	39=0-15,000
27=0-500	41=0-20,000
28=0-600	<b>Vacuum</b>
29=0-1,000	21=30-0" Hg

Compound avail.

\* Other engineering units available

**④ CONNECTION:** ¼" or ½" NPT male bottom or back connect, ½" NPT not recommended above 6,000 psig. Other connections available.

**⑤ FLANGE AND FITTING**

- 1=Front flange/bottom fitting
- 2=Front flange/back fitting
- 3=Back flange/bottom fitting
- 4=Back flange/back fitting
- 5=No flange/bottom fitting
- 6=No flange/back fitting

**⑥ CASE MATERIAL/COLOR**

- 5=Stainless steel (4½" only)
- 7=Purple nylon (6" test only)
- 8=Black nylon (test only)

**⑦ MOD CODE (OPTIONS)**  
GAB=Skydrol

**⑧ MOD CODE (Consult factory for other available options)**

- ISO=Metric scale (kPa)      GBT=Laminated glass crystal for SS case
- ISOD=Dual scale kPa/psi      GAD=Vibration damping

Your local 3D Instruments representative:



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