

- **±1.6% full scale accuracy**
- **Stainless steel case**
- **316 stainless steel wetted parts**
- **580 psi static pressure standard with optional static pressure to 3625 psi**
- **External zero adjust**
- **Optional liquid-filled case**
- **4" (100mm) or 6" (160mm) dial sizes**

The Ashcroft® Type 5503 differential pressure gauge is available with ranges from 16 I.W.D. to 400 psi with optional static pressure to 3625 psi. Optional wetted parts includes Hastelloy C & Monel. Typical applications include use with liquified gas for nitrogen, helium, argon and carbon dioxide.



**PRODUCT SPECIFICATIONS**

**GENERAL DIFFERENTIAL PRESSURE MEASUREMENT SPECIFICATIONS**

<b>Accuracy</b> ±1.6% full scale	and above. High strength cobalt alloy (Duratherm 600) for ranges of 10 psi and below
<b>Dial Size</b> 4" (100mm) or 6" (160mm)	<b>Housing Material</b> 316 stainless steel with a Viton O-ring
<b>Case and Ring</b> 304 SS open front case with bayonet ring (316 stainless steel case and ring optional)	<b>Socket Material</b> 316 stainless steel
<b>Dial</b> White painted aluminum	<b>Socket Location</b> ¼ NPTF or ½ NPTF lower (female)
<b>Pointer</b> Black painted aluminum with external adjust feature standard (to 25% of range)	<b>Range</b> 0-16 IWD (inches of water differential) to 400 psid
<b>Window</b> Shatterproof glass	<b>Static Pressure</b> 580 psi standard with optional static pressure to 3625 psid
<b>Diaphragm Material</b> 316 stainless steel for ranges 15 psi	<b>Mounting</b> Stem, wall or pipe

**Options**

Glycerin fill .....	(L)	<b>Code</b>
Silicone fill .....	(XGV)	
Weatherproof/Hermetically sealed case .....	(H)	
Wall mounting bracket .....	(XFW)	
Pipe mounting bracket .....	(XTM)	
3-way manifold .....	(X43)	
Hastelloy C diaphragm with 316 stainless steel housing .....	(HS)	
Monel diaphragm with 316 stainless steel housing .....	(PS)	
Hastelloy C diaphragm and housing .....	(HH)	
Electric warning contacts <sup>(1)</sup>		
½% full scale accuracy (unidirectional upscale) .....	(XAJ)	

(1) Specify contact arrangement. Specify if magnetic or inductive contacts.  
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**STANDARD RANGES\***

psid	mbar	bar	I.W.D.
3	40	0.6	16
5	60	1.0	30
10	100	1.6	60
15	160	2.5	100
30	250	4	200
60	400	6	
100		10	
160		16	
200		25	
300			
400			

\*Other ranges on application

**TO ORDER THIS MODEL 5503 DIFFERENTIAL PRESSURE GAUGE:**

Select: \_\_\_\_\_ 10      5503      S      S      02L      XXX      0/100 psid

1. Dial size – 100mm, 160mm \_\_\_\_\_
2. Type \_\_\_\_\_
3. 316 SS diaphragm \_\_\_\_\_
4. 316 SS housing and socket \_\_\_\_\_
5. Connection size and location \_\_\_\_\_
6. Optional features \_\_\_\_\_
7. Pressure range \_\_\_\_\_

Consult factory for guidance in product selection  
Phone (203) 385-0217, Fax (203) 385-0602 or  
visit our web site at [www.ashcroft.com](http://www.ashcroft.com)