



Type 5503 Differential Pressure Gauge

- $\pm 1.6\%$ full scale accuracy
- Stainless steel case
- 316 stainless steel wetted parts
- 1450 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
- One sided load permitted
- Optional ATEX approval

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

Accuracy $\pm 1.6\%$ full scale	and above. High strength cobalt alloy (Duratherm 600) for ranges of 10 psi and below
Dial Size 4" (100mm) or 6" (160mm)	Housing Material 316 stainless steel with a Viton O-ring
Case and Ring 304 SS safety design case with bayonet ring (316 stainless steel case and ring optional)	Socket Material 316 stainless steel
Dial White painted aluminum	Socket Connection 1/4 NPT or 1/2 NPT lower Flange for direct mounted valves
Pointer Black painted aluminum with external adjust feature standard (to 25% of range)	Range 0-16 IWD (inches of water differential) to 400 psid
Window Shatterproof glass	Static Pressure 1450 psi standard with optional static pressure to 3625 psid
Diaphragm Material 316 stainless steel for ranges 15 psi	Mounting Stem, wall or pipe

Options

Glycerin fill	(L)	Code
Silicone fill	(XGV)	
Weatherproof/Hermetically sealed case	(XLJ)	
Wall mounting bracket	(XFW)	
Pipe mounting bracket	(XTM)	
3-way manifold	(X43)	
Hastelloy C diaphragm w/316 stainless steel housing ^(1,2) ...	(HS)	
Monel diaphragm w/316 stainless steel housing ⁽²⁾	(PS)	
Hastelloy C diaphragm and housing ^(1,2)	(HH)	
See page 247 for selection and ordering code		
Electric warning contacts 1/2% full scale accuracy (unidirectional upscale)	(XAJ)	
Static pressure to 3625 psi	(XSP)	
Polycarbonate window	(XPD)	

(1) For ranges 5 psid and above.
(2) Goes in 3 and 4 spot below for coding.
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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

- Dial size – 100mm, 160mm _____
- Type _____
- 316 SS diaphragm _____
- 316 SS housing and socket _____
- Connection size and location _____
- Optional features _____
- Pressure range _____