

**General Service Gauge
Type 1109, Grade 1A (1.0% F.S.)
Solid Front**

- **Solid front case design with full blowout back**
- **Temperature compensated case**
- **4 1/2" dial size**
- **ASME Grade 1A, 1% full scale accuracy**
- **300 Series SS case and ring**
- **Ranges from vacuum through 100,000 psi**
- **New PLUS! Performance Option:**
 - **Liquid-filled performance in a dry gauge**
 - **Fights vibration and pulsations without liquid-fill headaches**
 - **See page 166 for details**
 - **Order as option XLL**

The Type 1109 Ashcroft solid front stainless steel case offers many features not available elsewhere. With a true 4 1/2" dial size, a fully temperature compensated case and blowout back for safety, the Type 1109 offers superior readability than the competitive 100mm case gauges. The Type 1109 has been designed to meet the needs of both the offshore platform market and also the waterblaster or waterjet markets.

Designed for offshore platforms the Type 1109 is available dry, liquid-filled or with the revolutionary **PLUS!**™ performance option. The rugged design of the Type 1109 with ranges to 100,000 psi, is well suited to meet the needs of the waterblaster or waterjet market. With the **PLUS!**™ performance standard on ranges above 30,000 psi this gauge offers superior readability



and eliminates the headaches associated with liquid-filled gauges.

BOURDON SYSTEM SELECTION

Ordering Code	Bourdon Tube & Tip Material ⁽¹⁾	Socket Material	Tube Type	Range Selection Limits (psi)	NPT Conn.
SD	316 stainless steel	Stainless steel	C-Tube	Vac/1500	1/2 ⁽²⁾
	316 stainless steel	Stainless steel	Helical	2k-20k	1/4
PD	K Monel	Monel 400	Helical	30k	1/4 high pressure
WD	Inconel 718	316 stainless steel	Helical	50k-100k	1/4 high pressure

(1) For selection of the correct bourdon system material, see the media application table on page 168.
 (2) 1/4 NPT optional.

STANDARD RANGES ⁽⁴⁾⁽⁵⁾⁽⁶⁾

Pressure psi	Compound psi
0/15	30" Hg/15 psi
0/30	30" Hg /30 psi
0/60	30" Hg /60 psi
0/100	30" Hg /100 psi
0/160	30" Hg /150 psi
0/200	30" Hg /300 psi
0/300	
0/400	
0/600	
0/800	
0/1000	
0/1500	
0/2000	
0/3000	
0/5000	
0/10,000	
0/20,000	
0/30,000	
0/50,000	
0/80,000	
0/100,000	

NOTE:
 Equivalent standard kg/cm² and kPa metric ranges are available.

TO ORDER THIS 1109 DURALIFE PRESSURE GAUGE:

Select: _____ 45 1109 SD 04L XXX 0/100 psi

1. Dial size—4 1/2" _____

2. Case type—1109 _____

3. Bourdon system selection ordering code _____

4. Connection—1/4 (02), 1/2 (04), 1/4 high pressure (09), Lower (L), Back (B) _____

5. Optional Features—see page 103 _____

6. Standard pressure range _____

7. Accessories—see pages 158-163 _____