ASHCROFT®

Test Gauge
Type 1082, ASME B 40.1
Grade 3A (±0.25% of span)

- ***Temperature-compensated movement that significantly reduces temperature error***
- ***MicroSpan™ adjustment for ease in span calibration***
- ***Hydraulically staked movement with Teflon-coated gears and bearings improves stability***
- ***Externally adjustable dial on standard model***
- ***White aluminum dial, black numbers with polished mirror band***
- ***High and low pressure movement stops are standard***

The standard Ashcroft® test gauge case style features a solid-front aluminum case with a hinged ring.

The dial has a polished mirror band for pointer reflection to prevent parallax error and is available in 4½″, 6″ and 8½″ dial sizes in both lower and back connection. Pointer is a balanced-friction adjustable design with red knife edge tip for easy reading. The standard test gauge is competitively priced and available from stock for most ranges, tube materials and case sizes.

STANDARD RANGES

Pressure psi	kg/cm² - bar	kPa
0/15	0/1	0/100
0/30	0/1.6	0/160
0/60	0/2.5	0/250
0/100	0/4	0/400
0/150	0/6	0/600
0/200	0/10	0/1000
0/300	0/16	0/1600
0/400	0/25	0/2500
0/600	0/40	0/4000
0/800	0/60	0/6000
0/1000	0/100	0/10,000
0/1500	0/160	0/16,000
0/2000	0/250	0/25,000
0/3000	0/400	0/40,000
0/5000	0/600	0/60,000
0/10,000		
Vacuum		
30 in.Hg/0	–1/0	–100/0
Compound		
30 in.Hg/15 psi	–1/1.5	–100/150
30 in.Hg/30 psi	–1/3	–100/300
30 in.Hg/60 psi	–1/5	–100/500
30 in.Hg/100 psi	–1/9	–100/900
30 in.Hg/150 psi		
30 in.Hg/200 psi		
30 in.Hg/300 psi		
30 in.Hg/400 psi		

BOURDON SYSTEM SELECTION

Ordering Code	Bourdon Tube & Tip Material(1) (all joints TIG welded except "A")	Socket Material	Tube Type	Range Selection Limits (psi)	NPT Conn.
A	Phosphor Bronze Tube-Brass Tip, Silver Brazed	Brass	C-Tube	vac/400 psi	¼, ½
P	K Monel	Monel 400	(2)	vac/10,000 psi	¼, ½

(1) For selection of the correct bourdon system material, see the media application table on page 249.
(2) vac through 1500 psi–C-Tube
2000 through 10,000 psi–Helical
See page 181 for optional test gauge carrying case and handle.

TO ORDER THIS 1082 TEST GAUGE:

Select: 45 1082 PS 02L 2000#

1. Dial size–4½″, 6″, 8½″ — 45
2. Case type–1082 — 1082
3. Bourdon system selection ordering code — PS
4. Connection size–¼ (02) — 02L
5. Connection location–Lower (L), Back (B) — 02L
6. Standard pressure range–2000 psi — 2000#

(★) "S" denotes solid-front case design