

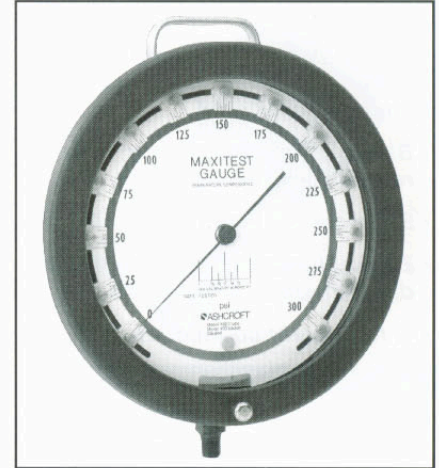
## Test Gauge

Type 1080, Grade 3A ( $\pm 0.25\%$ )

- 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
- High and low pressure movement stops are standard

A master reference gauge, the Ashcroft® Type 1080 is designed to reduce checking and maintenance costs of other pressure instruments. The dial has a polished-mirror band for pointer reflection to prevent parallax error. Easy to carry, the 1080 gauge is ideal for field use in checking test gauge accuracy and recalibrating receiver gauges, transmitters and other pressure-operated instruments.

Lightweight aluminum, black-epoxy solid-front case; dial is white with black graduations. Pointer is a balanced-friction adjustable design with red knife edge tip for easy reading. Specially designed adjustable metal tabs, replacing conventional dial graduations, are positioned near outer dial circumference at major graduation points. Tabs can be set to give exact pressure reading at each cardinal point, providing a higher degree of accuracy – at any dial tab reading. Tab markings are used to indicate any deviation of the gauge being tested from standard reading—from 0.25% to 1% of total dial graduation.



## STANDARD RANGES

Pressure psi	kg/cm <sup>2</sup> - 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
0/1,500	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		
<b>Vacuum</b>		
30" Hg/0	-1/0	-100/0
<b>Compound</b>		
30" Hg/15 psi	-1/0/1.5	-100/0/150
30" Hg/30 psi	-1/0/3	-100/0/300
30" Hg/60 psi	-1/0/5	-100/0/500
30" Hg/100 psi	-1/0/9	-100/0/900
30" Hg/150 psi		
30" Hg/200 psi		
30" Hg/300 psi		
30" Hg/400 psi		

## BOURDON SYSTEM SELECTION

Ordering Code	Bourdon Tube & Tip Material <sup>(1)</sup> (all joints TIG welded except "A")	Socket Material	Tube Type	Range Selection Limits (psi)	NPT Conn. <sup>(2)</sup>
P	K Monel	Monel 400	(3)	Vac/10,000	1/4

(1) For selection of the correct bourdon system material, see the media application table on page 172.

(2) Optional connection available: 1/2 NPT.

(3) Vac through 1500 psi—C-Tube  
2000 through 10,000 psi—Helical

## TO ORDER THIS 1080 TEST GAUGE:

## Select:

- Dial size—8½" **85**
- Case type—1080 **1080**
- Bourdon system selection ordering code **PS\***
- Connection size—1/4 (02) **02L**
- Connection location—Lower (L), Back (B) **0/1000 psi**
- Standard pressure range—1000 psi

(\*) "S" denotes solid-front case design