



Type 1082 Test Gauge



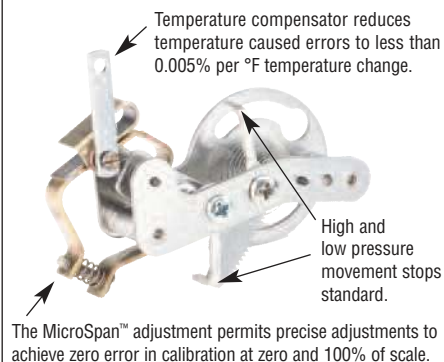
TYPE 1082

FEATURES

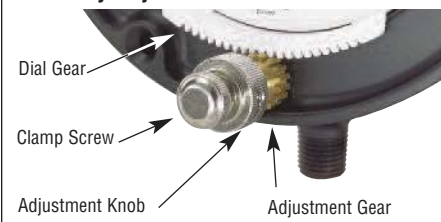
- *Externally adjustable dial (standard case)*
- *White aluminum dial, black numbers with polished mirror band*
- *Temperature-compensated movement significantly reduces temperature error*
- *MicroSpan™ adjustment for ease in span calibration*
- *Hydraulically staked movement with Teflon-coated gears and bearings*

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. Optional aluminum or phenol cases are also available.

Temperature Compensated Movement



Externally Adjustable Dial



HOW TO ORDER:

From Table A, Dial Size: 4½" : 45 1082 P* 02L XXX 0/2,000 psi

From Table A, Case Type Number: 1082

From Table B, Bourdon tube and socket:

From Table B, Connection: ¼ NPT (02), ½ NPT (04), Lower (L), Back (B)

From Optional Features:

From Range Table: 2000 psi

(*) "S" denotes solid front case design

Type 1082 Test Gauge

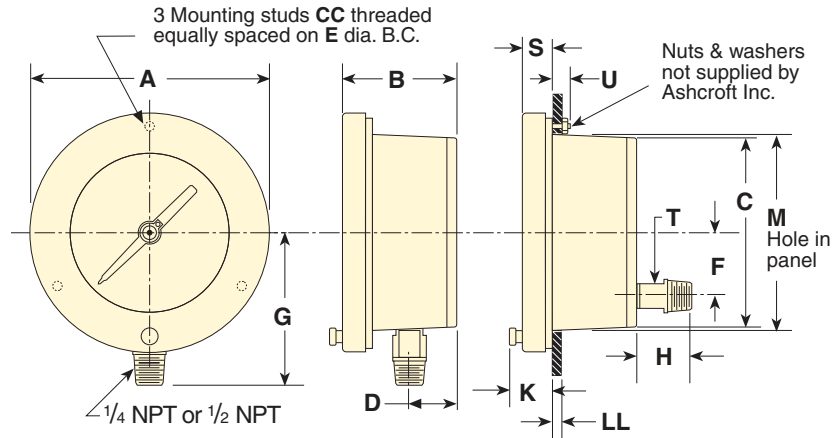
STANDARD RANGES

psi	Minor Graduations					
	4½"		6"		8½"	
Pressure						
0/15	0.05		0.05		0.02	
0/30	0.1		0.1		0.05	
0/60	0.2		0.2		0.1	
0/100	0.5		0.2		0.2	
0/150	0.5		0.5		0.2	
0/200	0.5		0.5		0.5	
0/300	1		1		0.5	
0/400	1		1		1	
0/600	2		2		1	
0/800	2		2		2	
0/1000	5		2		2	
0/1500	5		5		2	
0/2000	10		5		5	
0/3000	10		10		5	
0/5000	20		10		10	
0/10,000	50		20		20	
Vacuum						
30 in.Hg/0	0.1		0.1		0.05	
Compound						
Hg/psi	Vac.	Pres.	Vac.	Pres.	Vac.	Pres.
30/0/15	0.2	0.1	0.2	0.1	0.1	0.05
30/0/30	0.5	0.2	0.2	0.1	0.2	0.1
30/0/60	0.5	0.2	0.5	0.2	0.5	0.2
30/0/100	1	0.5	0.5	0.5	0.5	0.2
30/0/150	1	0.5	1	0.5	0.5	0.5
30/0/200	2	1	1	0.5	1	0.5
30/0/300	2	1	2	1	1	0.5
30/0/400	5	2	2	1	2	1

STANDARD RANGES

kg/cm2 – bar	kPa
Pressure	
0/1	0/100
0/1.6	0/160
0/2.5	0/250
0/4	0/400
0/6	0/600
0/10	0/1000
0/16	0/1600
0/25	0/2500
0/40	0/4000
0/60	0/6000
0/100	0/10,000
0/160	0/16,000
0/250	0/25,000
0/400	0/40,000
0/600	0/60,000
0/10,000	
Vacuum	
-1/0	-100/0
Compound	
-1/1.5	-100/150
-1/3	-100/300
-1/5	-100/500
-1/9	-100/900

DIMENSIONS



Model	Dial Size Inches	A	B	C	D	E	F	G	H	K	M	S	T	U	CC	LL
1082	4½"	6½ ₃₂ (155)				5% (137)		3½ ₁₆ (100)			4% (124)				#10-24	
	6"	7% ₁₆ (192)	2% (73)	4% (121)	1% ₁₆ (30)	7 (178)	1% (41)	4½ (114)	1% (35)	1½ ₃₂ (34)	6% (165)	% (16)	% (16)	% (19)	¼-20	¾ to 1½ (3) (13)
	8½"	10% ₁₆ (257)				9% (244)		6 (152)			9 (229)				¼-20	

*Millimeters shown in ().

Table A - Case selection & mounting

Dial Size (in)	Ordering Code	Case Type	Case: Material Finish	Ring: Style Material Finish	Mounting / Connection	
4½ 6 8½	(45) (60) (85)	1082	Aluminum, Black, epoxy Coated	Hinged Steel Wrinkle finish	Stem – Flush –	Lower or back Lower ⁽¹⁾ or back

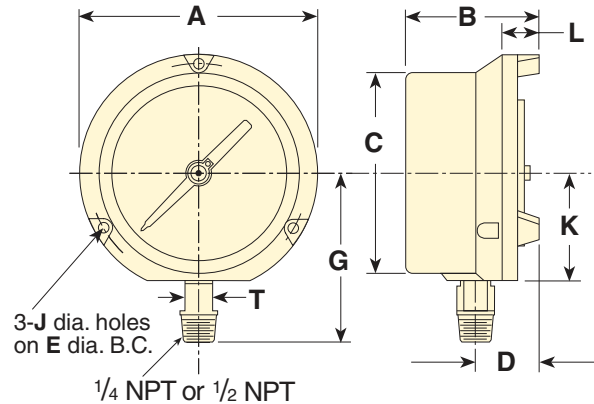
Table B - System Location and Connection Bourdon Tube & Tip Material

(all joints TIG welded except code "A")	Socket Material	Tube & Socket Code	Case Style Code	NPT Conn. & Code	Conn. Location & Code	Range Selection Limits (psi)
Phosphor bronze tube, Brass tip, silver brazed	Brass	(A)-Tube	(S) Solid Front	(02) ¼	Lower (L)	Vac./400
Monel 400	Monel 400	(P)	(S) Solid Front	(04) ½	Back (B)	Vac./10,000

NOTES: (1) Standard case only.

Type 1082 Test Gauge – XAY, XTY Case Options

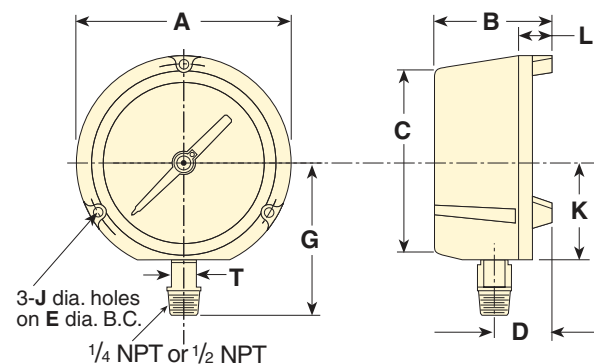
XAY DIMENSIONS



Model	Dial Size Inches	A	B	C	D	E	G	J	K	L	T
1082 XAY	4½"	5⅞ (143)	3⅞ (87)	4⅞ (124)	1⅞ (41)	5⅞ (137)	3⅞ (94)	.218	2⅞ (67)	1⅞ (27)	⅞ (16)
	6"	7⅞ (194)	3½ (89)	6⅞ (162)	1⅞ (41)	7 (178)	4⅞ (113)	.218	2⅞ (67)	1⅞ (27)	⅞ (16)

*Millimeters shown in ().

XTY DIMENSIONS



Model	Dial Size Inches	A	B	C	D	E	G	J	K	L	T
1082 XTY	4½"	5⅞ (143)	3⅞ (87)	4⅞ (124)	1⅞ (41)	5⅞ (137)	3⅞ (94)	.218	2⅞ (67)	1⅞ (27)	⅞ (16)

*Millimeters shown in ().



**THORNE &
DERRICK
INTERNATIONAL**

Thorne & Derrick
+44 (0) 191 490 1547
www.heatingandprocess.com