

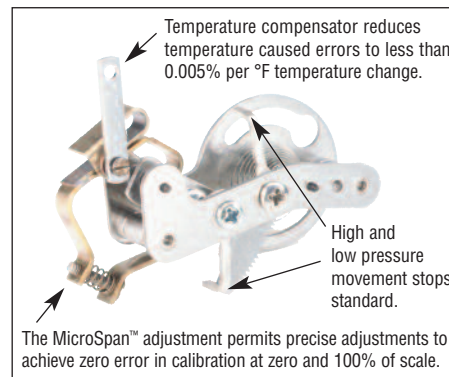
## Type 1082 Test Gauge - XTY Case Option



### FEATURES

- *Temperature-compensated movement 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 (standard case)*
- *White aluminum dial, black numbers with polished mirror band*

This Ashcroft® test gauge case style features a solid-front black phenolic case with a threaded polypropylene ring. The dial has a polished mirror band for pointer reflection to prevent parallax error. Pointer is a balanced-friction adjustable design with red knife edge tip for easy reading. Lightweight, weatherproof and offers a high resistance to corrosion and most environmental conditions. It can be stem, surface or flush mounted and is available with lower or back connection, in 4½" dial size only.



### SPECIFICATIONS

<b>Model Number:</b>	1082-XTY
<b>Accuracy:</b>	0.25/ASME B40.100, Grade 3A
<b>Ranges:</b>	Vac., compound, 10,000 psi
<b>Dial Size:</b>	4½"
<b>Case Material:</b>	Phenolic, solid front, black
<b>Ring:</b>	Threaded black polypropylene
<b>Tube and Socket Material:</b>	- (A) Phosphor bronze tube, brass socket - (P) Monel tube and socket
<b>Movement:</b>	400 series SS rotary design, Teflon <sup>(1)</sup> S coated bearings, Micrometer span adjustment, Bimetallic temp. compensator (.005%/per °F max. temp. error)
<b>Connection Location:</b>	Lower or back for flush mounting <sup>(2)</sup>
<b>Connection Size:</b>	¼" or ½" NPT
<b>Window Material:</b>	Glass
<b>Pointer:</b>	Black-painted aluminum with red-painted, knife-edge tip
<b>Dial:</b>	Externally adjustable aluminum, black numerals with polished mirror band
<b>Weather Proof:</b>	Yes

### OPTIONS

Acrylic window: **XPD**  
 Safety glass window: **XSG**  
 Throttling devices: **XTS**  
 Carrying handle: **XCH**  
 Carrying case: **2505**

(1) Registered TM of DuPont Co.

(2) Cases supplied with studs for flush mounting.

### HOW TO ORDER:

From Table A, Dial Size: 4½" : 45 1082 P\* 02L XTY 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

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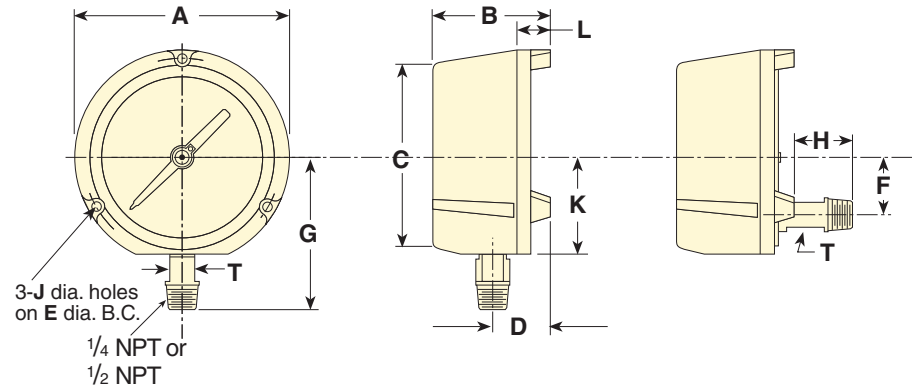
### STANDARD RANGES

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

### STANDARD RANGES

kg/cm2 – bar	kPa
<b>Pressure</b>	
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	
<b>Vacuum</b>	
-1/0	-100/0
<b>Compound</b>	
-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	J	K	L	T
<b>1082</b>	4½"	5 <sup>15</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>16</sub>	4 <sup>7</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>16</sub>	<sup>3</sup> / <sub>8</sub>	.218	2 <sup>5</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub>	<sup>5</sup> / <sub>16</sub>
<b>XTY</b>		(143)	(87)	(124)	(41)	(137)	(41)	(94)	(20)		(67)	(27)	(16)

\*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	(45)	1082	Phenolic	Threaded Reinforced Black Polypropylene	Stem – Lower or back Flush – Lower <sup>(1)</sup> 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.