

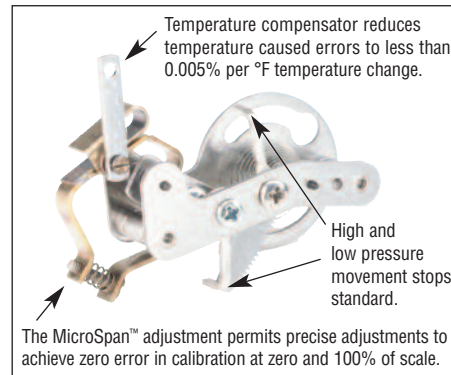
Type 1082 Test Gauge - XTY Case Option



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

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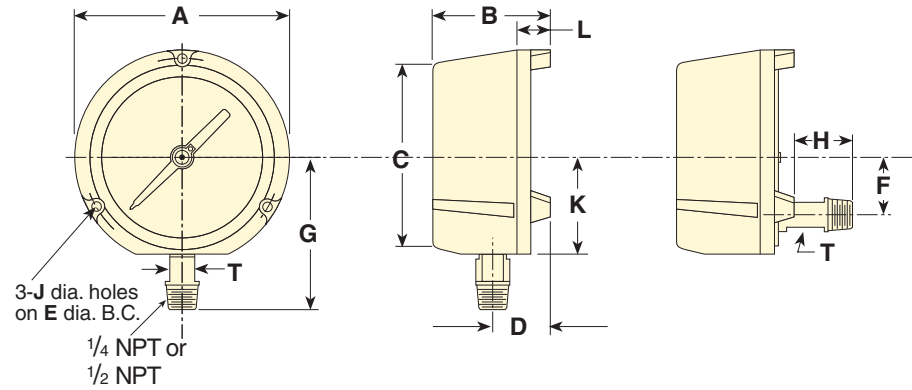
STANDARD RANGES

	Minor Graduations
psi	4½"
Pressure	
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
Vacuum	
30 in.Hg/0	0.1
Compound	
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
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	J	K	L	T
1082 XTY	4½"	5⅞ (143)	3⅞ (87)	4⅞ (124)	1⅞ (41)	5⅞ (137)	1⅞ (41)	3⅞ (94)	⅞ (20)	.218	2⅞ (67)	1⅞ (27)	⅞ (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 – 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.