

Ashcroft Test Gauges

- Rugged & Portable
- 0.05% FS Total Error Band
- 0.66" Display Characters
- NEMA 4, IP65 Stainless Steel Case
- Selectable Damping, Update Rate, Engineering Units, Languages
- Meets ASME B40.7



▲ 2089

These Precision Digital Test Gauges are available with 0.05%, 0.1% or 0.25% total error band (TEB) accuracy. TEB accuracy includes the effects of linearity, hysteresis, repeatability and temperature from 0 to 150°F. Ashcroft uses the conservative terminal point accuracy method for TEB. This allows rezeroing to eliminate sensor offset. All points between zero and full scale remain within stated accuracy.

SPECIFICATIONS

Dial:	3"
Case:	300 series stainless steel, electroplated, weatherproof
Proof pressure:	2X gauge pressure
Display:	4 1/2" digit backlit LCD
Bargraph:	10 segment % of range
Temperature:	-18 to 63°C (0-150°F)
Battery:	3 AAA, >1000 hours
EMI:	CE EN50082-1 (1997)

Keypad Functions

Engineering Units: psi, "Hg, "H₂O, ftSW, Bar, mBar, kPa, mPa, mmHg, cmH₂O, mmH₂O, kg/cm²

Update Rate:	10/sec, 5/sec, 2/sec, 1/sec
Auto off:	2, 5, 15, 30 min, never
Dampening:	None, 2, 4, 6, 8 readings
Min/Max:	Stores min/max values when displayed
Zero/Clear:	Zeros display or clears min/max values
Backlight:	on/off, 10 sec., 30 sec., 1 min., 5 min.
Language:	English, Spanish, French, Italian, German, Portuguese, Dutch
Contrast:	Seven levels
Calibration:	10 points, password protected
Configuration:	Scroll thru menu & option choices

ORDERING INFORMATION

To Order - Insert Code for Each Letter to Select Catalog Number.

Example AS/302089SD0L-100psi-XDB1

AS/30 A B C - D - E

A Model
2089 0.05% FS accuracy
2086 0.10% FS accuracy
2084 0.25% FS accuracy
B Wetted Parts
SD 316 stainless steel
C Connection
02L 3/4 NPT, lower
D Range (include units suffix)

E Options
XD 3 o'clock connection
XE 9 o'clock connection
B1 Black rubber boot
B2 Orange rubber boot
NH Metal Tag
NN Paper Tag
CD1 Certificate of Conformance
C4 Certified Calibration data (standard w. 2089)

psi	Compound	psi (absolute)
10	600 15#/vac	15
15	800 30#/vac	25 ⁽¹⁾
30		50
60		
100	2000 ⁽²⁾	
160	2500 ⁽¹⁾	
200 ⁽²⁾	3000	
300	5000	
500	7000	

Temperature options 4°C, 20°C, 60°F.
Metric units available on request.
(1) 2086 and 8084 only.
(2) Accuracy meets ASME B40.7 resolution requirements through 199.9 psi (200 psi) and 1999.9 psi (2000 psi).

Ashcroft Pressure Switches

- Long Life Sensor & Relay (>10 million operations)
- Watertight Metal Enclosure
- Deadband Adjustable to 0.5%
- Bright Local Display (optional)



▲ NPI

This electronic pressure switch will outlast mechanical switches in high cycle applications. The pressure sensor is a stable thin film transducer with proven reliability and long life. The adjustable, narrow deadband solves many pipeline and elevated tank applications that cannot be satisfied with mechanical products. An optional LED display provides local pressure indication and simplifies switchpoint setup.

SPECIFICATIONS

Enclose:	Epoxy coated aluminum NEMA 3, 4, 4X, 13 & IP66 Optional NEMA 7, 9 & Div I or II hazardous locations
Wetted Parts:	14-4 PH stainless steel diaphragm AISI 316 stainless steel fitting
Display:	3 1/2 digit LED indicates process pressure ±1%
Status Lights:	Process pressure, set pressure, reset pressure, relay output
Output:	SPDT Relay rated 10A @250VAC/30VDC
Life:	>10 million operations at rated load
Electrical:	3/4 NPT connection

ORDERING INFORMATION

To Order - Insert Number Code for Each Letter to Select Catalog Number. Example: AS/NPAN7DCS02-100psi

AS/ A B C D E F - G

A Function	G Range	psi	Setpoint Limits	psi Proof	psi Burst
		NPA Single setpoint, adjustable deadband	60	3-60	120
NPI Single setpoint, adjustable deadband, process and setpoint display	100	5-100	200	800	
B Enclosure	200	10-200	400	1600	
					N4 Watertight NEMA 3,4, 4X, 13 & IP66
N7 Explosion proof NEMA 3, 4, 4X, 13, 7, 9 & IP66 (NPA only)	300	15-300	600	2400	
					C Output
D SPDT Relay	500	25-500	1000	4000	
D Power Equipment					
L 110VAC, 50/60Hz	750	35-750	1500	6000	
C 24VDC					
V 250VAC, 50/60Hz	1000	50-1000	2000	8000	
E Pressure Port					
S01 1/8 NPT Male	3000	150-3000	4500	20000	
S02 1/4 NPT Male					
S03 1/8 NPT Female	5000	250-5000	7500	22500	
S04 1/4 NPT Female					
S05 7/16 - 20 SAE - 1/4 SAE	7500	375-7500	9000	25000	
S06 1/2 NPT Male & 1/4 NPT Female					
S07 1/4 AMINCO - Female	10000	500-10000	12000	30000	
F Option					
XEA External Setpoint Adjustment	15000	750-15000	18000	45000	
- None					
	20000	1000-20000	24000	60000	