

- **Unmatched accuracy of  $\pm 0.05\%$  total error band**
  - Temperature corrected from 0/150°F
- **Breakthrough readability and portability**
  - 5 digit LCD display
  - Largest display height of .66" ...larger than competitors 4 1/2" gauges
- **Rugged portable design**
  - Weatherproof NEMA IV, IP65 case
  - CE, FM, CSA and (Cenelec-ATEX 100 approval pending)
  - Stainless steel case-to-socket weld for strength
  - Stainless steel cover protects keypad

- **Global/highly configurable**
  - Nine options including 12 units of measure, 7 languages and password protected calibration and disable function
- **Safety features include**
  - Pressure range on keypad to reduce accidental overpressure
  - Proof pressure 2 x gauge range
  - Meets ASME B40.7
- **% of reading bar graph scale**



**NEW...  
5 DIGIT DISPLAY  
IMPROVED  
BACKLITE**

**IN A RUSH?  
ASHCROFT  
GOLD  
SERVICE**

LOOK FOR THESE AGENCY MARKS ON OUR PRODUCTS



#### PRODUCT SPECIFICATIONS

<b>Type:</b>	2089 ( $\pm 0.05\%$ of span accuracy), 2086 ( $\pm 0.10\%$ of span accuracy), 2084 ( $\pm 0.25\%$ of span accuracy)
<b>Accuracy:</b>	$\pm 0.05\%$ , 0.10% or 0.25% of span, Terminal Point, Total Error Band (TEB) Including Hysteresis, Linearity, Repeatability and Temperature (0/150°F)
<b>Case Size:</b>	3"
<b>Case Material:</b>	300 Series Stainless Steel
<b>Case Finish:</b>	Electropolished
<b>Case Rating:</b>	Weatherproof, IP65, NEMA 4
<b>Wetted Parts:</b>	316 Stainless Steel
<b>Socket Size:</b>	1/4 NPT, JIS, DIN, SAE, (others on application)
<b>Connection:</b>	Lower - 3 and 9 o'clock
<b>Ranges:</b>	Vac. thru 7000 psi (see engineer- ing units below for other units of measurement)
<b>Operating Temp.:</b>	0/150°F (-18/65°C)
<b>Storage Temp.:</b>	-40/180°F (-40/82°C)
<b>Temp. Corrected:</b>	Yes

#### DISPLAY

<b>Type:</b>	LCD
<b>Display Digits:</b>	5, 99999 display counts
<b>Character Height:</b>	.66"
<b>Backlite:</b>	Off by default
<b>Bar Graph:</b>	Yes
<b>Battery Life:</b>	>1000 hrs. (3 AAA alkaline batteries)
<b>Agency Approvals:</b>	CE EN 50082-1 (1997), FM, CSA and (Cenelec - ATEX 100 approval pending)

#### KEYPAD FUNCTIONS

<b>On/Off:</b>	Manually turns unit on and off (auto off options in configuration menu (CONFIG) )
<b>Backlite:</b>	Manually turns backlite on and off (auto off options in configuration menu (CONFIG) )

<b>Min/Max:</b>	Stores min. and max. values when displayed
<b>Zero/Clear:</b>	Zeros display or clears min. and max. values when displayed
<b>Enter:</b>	Selects items in configuration menu (CONFIG)
<b>Configuration Mode (CONFIG):</b>	Allows scrolling through configuration menus to select available options
<b>Engineering Units:</b>	psi, in.Hg, in.H <sub>2</sub> O <sup>(*)</sup> , ftSW, bar, mbar, kPa, MPa, mmHg, cmH <sub>2</sub> O, mmH <sub>2</sub> O, kg/cm <sup>2</sup>
<b>Update Rate:</b>	Four Options: 10x/sec, 5x/sec, 2x/sec, 1x/sec
<b>Auto Off:</b>	Five Options: Never, 2 min., 5 min., 15 min., 30 min.
<b>Dampening:</b>	Five Options: None, average 2, 4, 6, 8 readings
<b>Language:</b>	Seven Languages: English, Spanish, French, Italian, German, Portuguese, Dutch
<b>Backlite:</b>	Five Options: On/off, 10 sec., 30 sec., 1 min., 5 min.
<b>Calibrate:</b>	Zero and Span (password protected)
<b>Contrast:</b>	Seven available options
<b>Disable:</b>	Allows for "lock-out" of CONFIG options
<b>Calibration Chart:</b>	10 point individual calibration chart, standard for Type 2089, others optional
<b>Standard Features:</b>	300 Series SS Protective Cover, Protective Carrying Pouch
(*) Allows choice of reference temperatures 4°C, 20°C or 60°C	

psi	Cmpnd. (psi)	kPa	bar/ kg/cm <sup>2</sup>	Cmpnd. (bar)
vac.	15 & vac.	25	1	-1 to 30
10	30 & vac.	40	1.6	-1 to 30
15		60	2.5	
30		100	4	
60		160	6	
100		250 <sup>(*)</sup>	10	
160		400	16	
200		600	25	
300		1000	40	
500			60	
600			100	
800			160	
1000			250	
1500			400	
2000			500	
2500				
3000				
5000				
7000				

mmH <sub>2</sub> O	MPa	mbar/ cmH <sub>2</sub> O	Absolute (psia)
3000	1	250	15
5000	1.6	300	25
10,000	2.5	400	50
	6	500	
		600	
		1000	
		1600	
		2000	
		2500	
		4000	
		5000	
		6000	
		10,000	

#### TO ORDER THIS DIGITAL TEST GAUGE:

<b>Select:</b>	<b>30</b>	<b>2089</b>	<b>SD</b>	<b>02L</b>	<b>100#</b>
1. Dial Size: 3"	_____	_____	_____	_____	_____
2. Type: 2089	_____	_____	_____	_____	_____
3. Wetted parts: 316 SS	_____	_____	_____	_____	_____
4. Connections: 1/4 NPT Lower	_____	_____	_____	_____	_____
5. Range: 100 psi	_____	_____	_____	_____	_____

Consult factory for guidance in product selection  
Phone (203) 385-0217, Fax (203) 385-0602 or  
visit our web site at [www.ashcroft.com](http://www.ashcroft.com)