



Precision Digital Test Gauge Types 2089, 2086 and 2084

- **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**

LOOK FOR THESE AGENCY MARKS ON OUR PRODUCTS



PRODUCT SPECIFICATIONS

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

DISPLAY

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

KEYPAD FUNCTIONS

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

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

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