

## Model 328

### 1 1/8" Micro-Display

Switchable Pressure Units



Setra's Model 328 Micro-Display is designed for use in high density modular block gas sticks and panels required for today's 300mm tools. With a footprint of 1-1/8", the Model 328 is ideal for in-line installation between the power supply and the pressure transducer.

The 328 is a low-power consumption device, which is calibrated to convert the transducer's 0-5 VDC, 0 to 10 VDC, or 4-20 mA output to a viewable 3-1/2" digit LED display.

A choice of electrical connector combinations are available. They include 9 pin D-Sub or high-density 15 pin D-Sub connectors for electrical connection to the transducer and the power supply.

The front face of the 328 rotates 360° degrees for viewing in any of four orientations. Detents ensure proper positioning at each orientation. Front access to the push-button zero and span and up to three factory configured pressure units complete this unique design.

When coupled with Setra's Model 227, 1-1/8" down-mount pressure transducer, this package provides the ultimate in pressure measurement and display. The 328 may also be used with a variety of other Setra Ultra-High Purity products as well, including Models 217, 223 and 224.

#### Switchable Pressure Units (Examples)

PSI	kPa	BAR
0 to 25.0	0 to 172	0 to 1.72
0 to 50.0	0 to 345	0 to 3.45
0 to 100.0	0 to 689	0 to 6.89

NOTE: Setra quality standards are based on ANSI-Z540-1. The calibration of this product is NIST traceable.

U.S. Patent nos.

## Applications

- Modular 1 1/8" Block Gas Sticks and Panels
- High Purity Gas Delivery Systems
- Semiconductor Process Tools

## Benefits

- Rotatable Face for 360° Viewing
- Switchable Engineering Units
- Recessed Mating Connector to Reduce Potential Interference
- CE and RoHS Compliant

When it comes to a product to rely on - choose the Model 328. When it comes to a company to trust - choose Setra.

**setra**  
ISO-9001 Certified

**800-257-3872**

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[www.setra.com](http://www.setra.com)

# Model 328 Specifications

## Display

Digits	-1999 to 1999
Type	7 Segment Red LED
Polarity	Automatic (-) Display
Accuracy	0.1% of Reading, $\pm 1$ Count
Digit Size	0.28" Height
Pressure Units	Switchable by Push-button

## Mechanical

Electrical Termination	High Density 15-pin D-Sub or 9 Pin D-Sub
Front Face Orientation	Any of Four (0°, 90°, 180°, 270°)

## Environmental

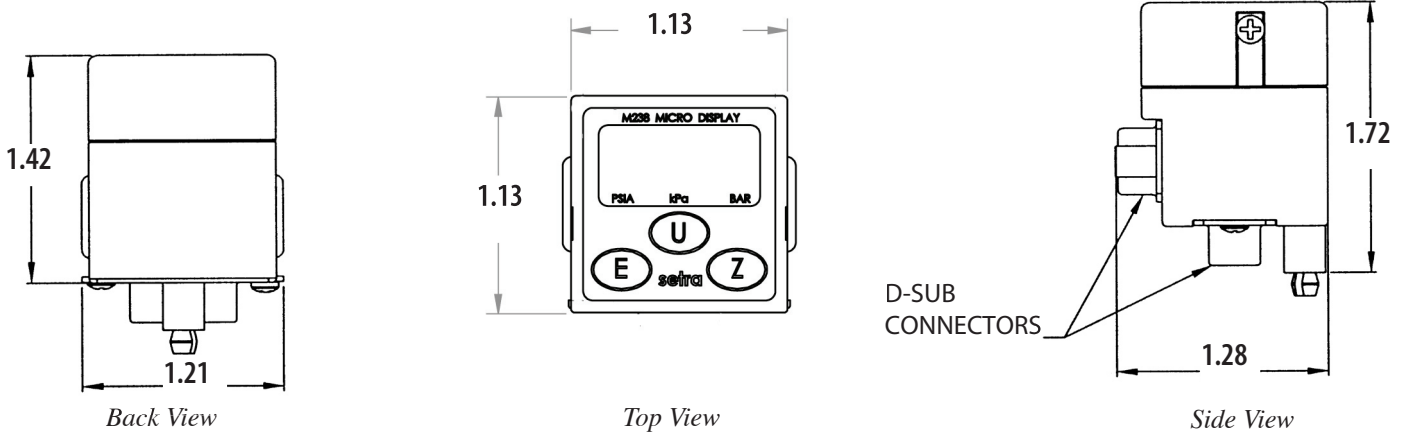
Temperature	
Operating °F (°C)	+32 to +140 (0 to +60)
Storage °F (°C)	-4 to +185 (-20 to +85)

## Electrical Data

Input Signal	0 to 5 VDC, 0 to 10 VDC or 4-20mA
Excitation	12 to 30 VDC ( 6.5 VDC Drop on Current loop)
Zero/Span	Push-button on Front Face
Protection	Reverse Polarity Protection ( 4 to 20 mA unt: 100mA Current Limit)

Specifications subject to change without notice.

## Outline Drawings



Key	Name	Function
	Enter	Transition from measuring mode to value setting mode - For Factory Use
	Zero	Auto Zero (push and hold along with E button for 2 seconds)
	Units	Units Change (push and hold for 5 seconds)

## ORDERING INFORMATION

Code all blocks in table.

Example: Part No. 328GM1GDDNS is a Model 328, 0 to 5 VDC Input, 25 PSI Range, Gauge Pressure 15-pin D-sub, Rear Mount, 15-pin D-sub, Bottom Mount

<b>3</b>	<b>2</b>	<b>8</b>	<b>G</b>	—	<input type="checkbox"/>	—	<input type="checkbox"/>	—	<input type="checkbox"/>	—	<input type="checkbox"/>	—	<input type="checkbox"/>	—	<input type="checkbox"/>	—	<b>N</b>	<b>S</b>																
<b>Model</b>				<b>Input</b>		<b>Pressure Range</b>		<b>Pressure</b>		<b>Electrical Connection to Transducer</b>		<b>Electrical Connection to Power Supply</b>		<b>NS = Switchable Units</b>																				
328G = 328				M = 0 to 5 VDC L = 0 to 10 VDC B = 4 to 20 mA		<table border="0"> <tr> <td><b>PSI Range</b></td> <td><b>Bar Range</b></td> </tr> <tr> <td>1 = 25.0</td> <td>A = 1.70</td> </tr> <tr> <td>2 = 50.0</td> <td>B = 3.40</td> </tr> <tr> <td>3 = 100.0</td> <td>C = 7.00</td> </tr> <tr> <td>4 = 250.0</td> <td>D = 17.0</td> </tr> <tr> <td>5 = 500.0</td> <td>E = 34.0</td> </tr> <tr> <td>6 = 1000.0</td> <td>F = 70.0</td> </tr> <tr> <td>7 = 3.00 Kpsi</td> <td>G = 210</td> </tr> </table>		<b>PSI Range</b>	<b>Bar Range</b>	1 = 25.0	A = 1.70	2 = 50.0	B = 3.40	3 = 100.0	C = 7.00	4 = 250.0	D = 17.0	5 = 500.0	E = 34.0	6 = 1000.0	F = 70.0	7 = 3.00 Kpsi	G = 210	G = Gauge C = Compound A = Absolute		D = 15 pin D-sub Connector, Rear Mount E = 9 Pin D-sub Connector, Rear Mount		D = 15-pin D-sub Connector, Bottom Mount E = 9-Pin D-sub Connector, Bottom Mount						
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Please contact factory for versions not shown.