

# 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 Engineer ing Units
- Recessed Mating Connector to Reduce Potential Interfeence
- 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.



800-257-3872 Visit Setra Online: www.setra.com

### Display

Digits Type Polarity Accuracy Digit Size Pressure Units

### -1999 to 1999 7 Segment Red LED Automatic (-) Display 0.1% of Reading, ±1 Count 0.28" Height Switchable by Push-button

# **Model 328 Specifications**

#### 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) Storage °F (°C)

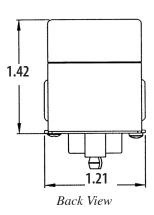
+32 to +140 (0 to +60) -4 to +185 (-20 to +85)

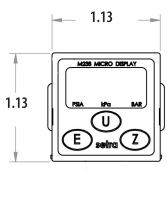
### Electrical Data

| 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) |  |

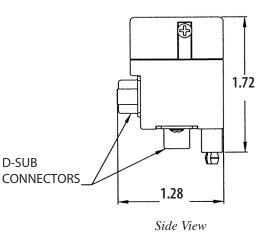
Specifications subject to change without notice.

## **Outline Drawings**









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 Key
 Name
 Function

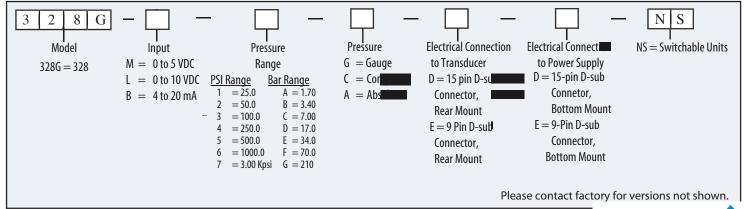
 Image: Enter
 Transition from measuring mode to value setting mode - For Factory Use

 Image: Zero
 Auto Zero (push and hold along with E button for 2 seconds)

 Image: 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



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