

## APPLICATIONS

- LIQUID LEVEL MEASUREMENT
- PLANT UTILITIES (i.e. Air, Water, Oil)
- GAS TRANSMISSION PIPELINE
- FLOW DETECTION
- GEOPHYSICAL MONITORING
- LUBRICATION SYSTEMS

## MODEL DATAMATE • PRESSURE TRANSMITTER

The DATAMATE is a two-wire pressure transmitter which is compatible with data loggers and instrumentation used in processing environments. Its 4-20 mA output is ideal for remote monitoring of both primary and secondary process variables.

The DATAMATE is made of series 300 stainless steel. It is suitable for use with a variety of media that would otherwise require isolators. It is also intrinsically safe\* for use in Class I, Division I, Groups A thru G hazardous areas.

A threaded conduit connector allows conduit to be easily attached to protect wiring in rugged process plant environments.

\*When used with approved barriers.



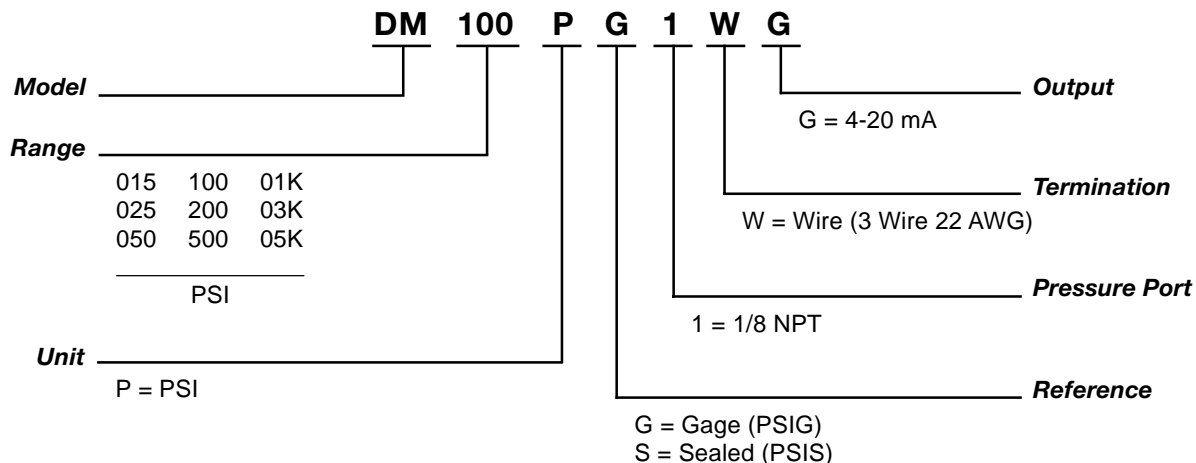
## FEATURES

- Conduit connection
- Waterproof exterior
- Factory calibration
- Compact
- I/S certified when used with approved barriers

## BENEFITS

- For the process industry
- No need to 'wet line'
- Can be directly installed
- Easy to package

## HOW TO ORDER



Note: Not all combinations are available. Minimum quantity orders apply. Contact the factory for more details.

## TECHNICAL SPECIFICATIONS

### RANGE

0-15, 25, 50 psig	0-500, 1000,
0-100, 200 psis	3000, 5000 psis

### PHYSICAL

Proof Pressure	2 x rated range without damage	1.5 x rated range without damage
Burst Pressure	10 x rated range without bursting	5 x rate range without damage

Material in Contact With Media      Brazed assembly of 300 series SS

Shock Resistance      50 g's peak, (5 milliseconds)

Vibration Resistance      Meets MIL-STD 810C, Figure 514-5, Curve AK, Time Schedule II, Random Vibration Test (Overall g rms = 20.7 minimum)

Weight      Less than 5.5 oz (156 gm)

### ELECTRICAL

Span      16 ±0.32 mA at 77° F (25° C)

Excitation Voltage      12 to 40 Vdc\* linear derating to 35 Vdc from 77° to 121° F (25° to 100° C)

Null Offset      4 ±0.4 mA at 77°F (25° C)

Reverse Polarity Protection      YES

Insulation Resistance      Greater than 1000 megohms at 50 Vdc max

Electrical Connection      3 leads, including case ground, #22 AWG, XML insulation

### PERFORMANCE

Accuracy      ±1% of FSO from best fit straight line including effects of non-linearity, hysteresis, and repeatability

Operating Temperature Range      -40° to 212° F (-40° to 100° C)

Compensated Temperature Range      30° to 130° F (-1° to 54° C)

Thermal Effect On Zero      Less than ±1% span within compensated range

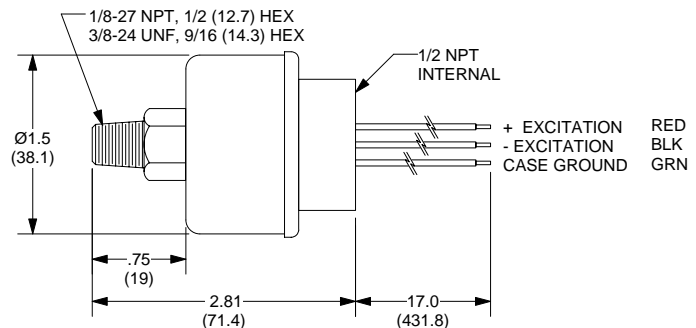
Thermal Effect On Span      Less than ±1% within the compensated range

NOTE: All specifications are measured at 25° C and rated excitation unless otherwise specified.

\* 29.5 V max when used with energy barrier strip

### DIMENSIONS

xx.xx = inches  
(xx.x) = mm



### WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace without charge those items it finds defective. The foregoing is Buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

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