**Pressure Port** 

### **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

Unit .

P = PSI

S = Sealed (PSIS)

- Compact
- I/S certified when used with approved barriers

## BENEFIT

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

**HOW TO ORDER** 

#### 100 G Model Output G = 4-20 mARange 015 100 01K 025 200 03K Termination 050 500 05K Pigtail PSI (3 Wire 22 AWG)

Reference 1 = 1/8 NPT 2 = 1/4 NPT

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

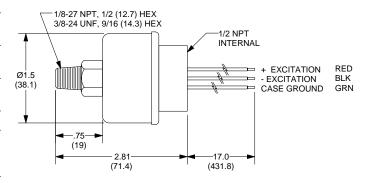
# **TECHNICAL SPECIFICATIONS**

RANGE	0-15, 25, 50 psig	0-500, 1000, 3000
DUVOCAL	0-100, 200 psis	5000 psis
PHYSCAL		
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 bursting
Material in Cont With Media	ontact Brazed assembly of 300 series SS	
Shock Resistand	nce 50 g's peak, (5 milliseconds)	
Vibration Resistance	Meets MIL-STD 810C, F Time Schedule II, Ra (Overall g rms =	andom Vibration Test
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 YE	ES .
Insulation Resist	tance Greater than 1	000 megohms at 50 Vdc max
Electrical Connection	3 leads, including case ground, #22 AWG, XML insulation	
<b>PERFORMANCE</b>	•	
Accuracy e	±1% of FSO from best fit straight line including effects of non-linearity, hysteresis, and repeatability	
Operating Temperature Ra	-40° to 212° F ge (-40° to 100° C)	
Compensated Temperature Ra		
Thermal Effect On Zero	t Less than ±1% span within compensated range	
Thermal Efffect Less than ±1% On Span within the compensated range		

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

## **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.

Item # 1076600 M.G. 3/01





<sup>\* 29.5</sup> V max when used with energy barrier strip