

## APPLICATIONS

- HYDRAULIC/  
PNEUMATIC CONTROLS
- AIR  
COMPRESSORS
- ENERGY  
MANAGEMENT  
'smart' compressors,  
refrigeration/chiller  
control
- PROCESS CONTROL  
SYSTEMS
- ENGINE CONTROLS  
AND MONITORS

## MODEL ECLIPSE • OEM PRESSURE TRANSDUCER

The Eclipse is designed for OEM's needing a reliable pressure transmitter for industrial or other heavy duty applications. The Eclipse's combination of rugged packaging, internal signal amplification and price make it ideal for many applications.

The pressure media is contained by a brazed assembly of stainless steel. There are no hidden O-rings or elastomers containing the media. A plated steel case protects the internal electronics.

It is available with either a 0.5 to 4.5 volt or 4 to 20 mA output. The 4 to 20 mA output is useful for applications where electrical noise may be a concern. Units with the Hirschmann connector are CE approved.



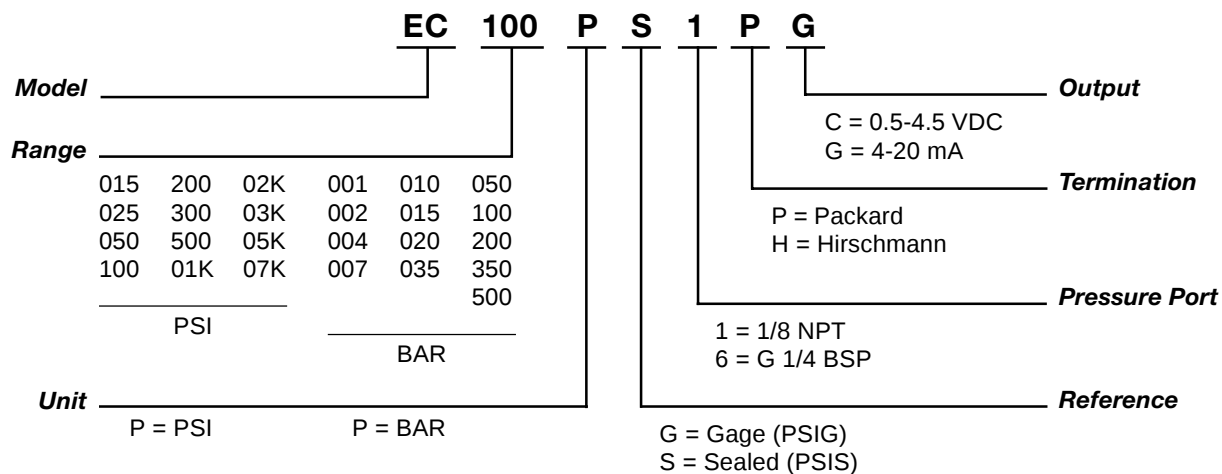
## FEATURES

- Voltage or current output
- 15 PSIG through 7100 PSIS ranges
- CE versions available
- Weather proof type connector
- Reverse polarity protection
- Low excitation voltage
- IP65 sealed steel case

## BENEFIT

- Flexibility for the designer
- Suitable for many applications
- Ready for Europe
- High reliability in tough environments
- Not damaged by reversed excitation
- Suitable for ORV or marine use
- Complete environmental protection for electronics

## 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  
0-100, 200, 300, 500, 1000, 2000, 3000, 5000, 7180 psis

0-1, 2, 4, 7 bar g  
0-10, 15, 20, 35, 50, 100, 200, 350, 500 bar s

### PHYSICAL

|                                |                                                                                                                      |  |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------|--|
| Proof Pressure                 | 1.5 x rated range without damage                                                                                     |  |
| Burst Pressure                 | 5 x rated range without bursting                                                                                     |  |
| Material in Contact With Media | 300 series SS, braze compound                                                                                        |  |
| Shock                          | 50 g's peak (5 milliseconds)                                                                                         |  |
| Vibration                      | Meets MIL-STD 810B, Figure 514-4, Curve AK, Time Schedule II<br>Random Vibration Test (Overall g rms = 20.7 minimum) |  |

| ELECTRICAL                  | Voltage out                                                                                                                                  | Current out                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Span                        | 4.00 V nominal<br>(0.5 - 4.5 V)                                                                                                              | 16 mA<br>(4 - 20mA)                                            |
| Zero output                 | 0.5 V nominal                                                                                                                                | 4 mA nominal                                                   |
| Excitation                  | 5.0 Vdc $\pm 0.25$ Vdc<br>@ 20 mA max                                                                                                        | 10 to 40 Vdc<br>(linear derating to 35 Vdc from 25° to 100° C) |
| Reverse Polarity Protection | Yes                                                                                                                                          |                                                                |
| Insulation Resistance       | 1000 MW @ 250 Vdc                                                                                                                            |                                                                |
| Electrical Connection       | Standard Packard Metri-Pack™.<br>Requires Packard #12065287 mating connector, not included.<br>Optional Hirschmann connector, mate included. |                                                                |

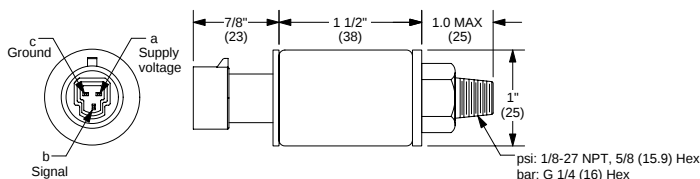
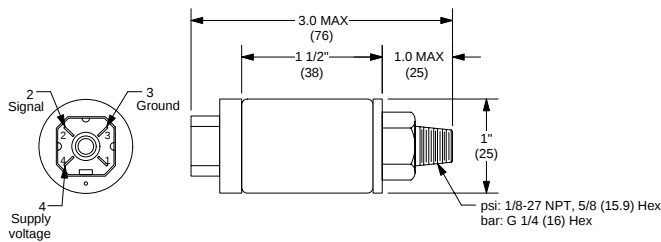
### PERFORMANCE

|                                         |                                                                                                                                                   |  |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Accuracy                                | $\pm 1\%$ of F.S.O. from best fit straight line.<br>Including effects of non-linearity, hysteresis and non-repeatability                          |  |
| Compensated Temperature Range           | 30° to 180°F (-1° to 82°C)                                                                                                                        |  |
| Operating and Storage Temperature Range | -40° to 221°F (-40° to 105°C)                                                                                                                     |  |
| Total Error                             | $\pm 4\%$ of full scale. Includes the effects of zero output error, calibration error, temperature, non-linearity, hysteresis, and repeatability. |  |

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

### DIMENSIONS

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



### PACKARD CONNECTOR PINS

|   | Voltage      | Current               |
|---|--------------|-----------------------|
| a | + Excitation | + Excitation          |
| b | Output       | - Excitation (Return) |
| c | Common       | NC                    |

### HIRSCHMANN CONNECTOR PINS

|       | Voltage       | Current               |
|-------|---------------|-----------------------|
| Pin 1 | NC            | NC                    |
| Pin 2 | Signal Output | NC                    |
| Pin 3 | Common        | - Excitation (Return) |
| Pin 4 | + Excitation  | + Excitation          |

### 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 # 1096500 M.G. 3/01

**Honeywell**

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**Стандарт  
Электрон  
Связь**

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