

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.



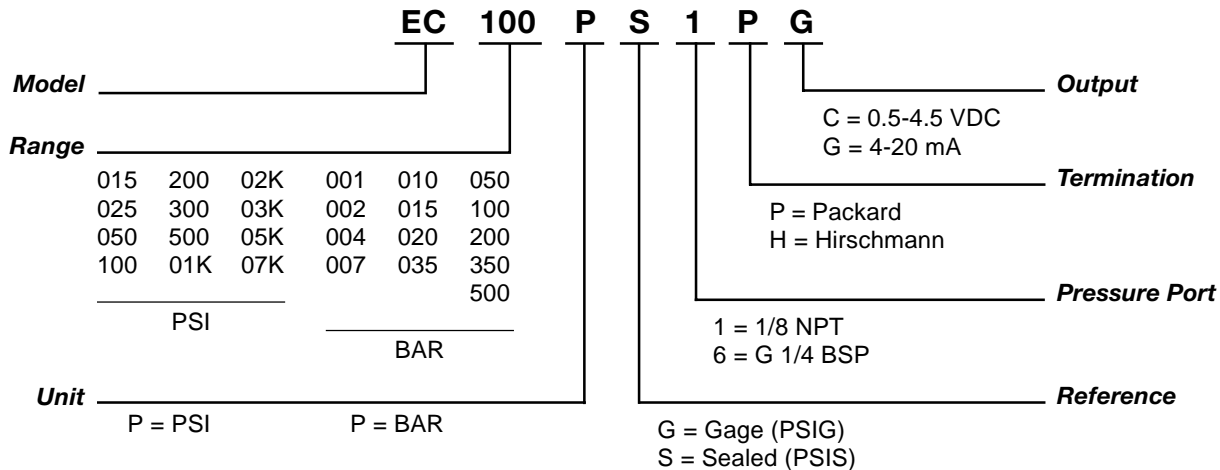
FEATURES

- 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 Random Vibration Test (Overall g rms = 20.7 minimum)	

ELECTRICAL	Voltage out	Current out
Span	4.00 V nominal (0.5 - 4.5 V)	16 mA (4 - 20mA)
Zero output	0.5 V nominal	4 mA nominal
Excitation	5.0 Vdc ±0.25 Vdc @ 20 mA max	10 to 40 Vdc (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™. Requires Packard #12065287 mating connector, not included. Optional Hirschmann connector, mate included.	

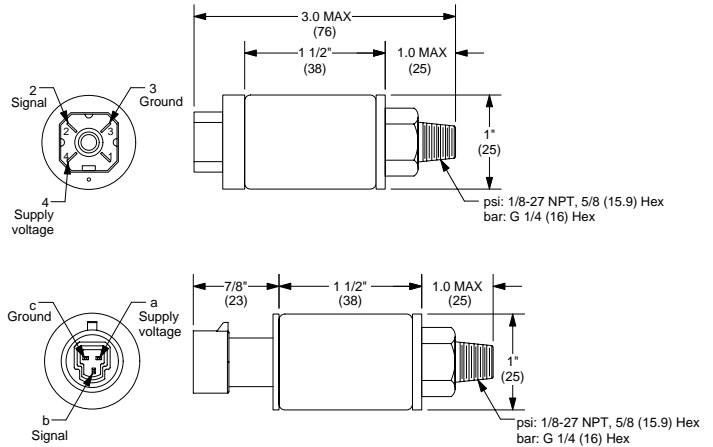
PERFORMANCE

Accuracy	±1% of F.S.O. from best fit straight line. 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	±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

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www.honeywell.com/sensing/products/di